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XEROX

Xerox 6030/6050/6050A Wide Format Printer User Guide

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Preface

Thank you for using the Xerox 6030/6050/6050A Wide Format Copier/Printer User Guide (hereinafter known as 6030/6050/6050A Wide Format).

This User Guide describes the basic operations and the detailed functions of the Xerox 6030/6050/6050A Wide Format Copier, Printer, and integrated Scanner. It also includes usage precautions, safety, replenishing toner, replacing paper, troubleshooting, and other general instructions.

The explanations provided in this User Guide assume that the user has a basic knowledge of operating the computer and network configuration in use. Refer to the manuals supplied with the computer, Windows related documentation, and the manuals supplied with the network system for details on computer and network operations.

This User Guide, originally dedicated exclusively to the Xerox 6030/6050 Wide Format, has been revised to accomodate the Xerox 6050A Wide Format. The reader should assume that any topic, section, heading, sentence, or bullet not denoted as being related to either the 6030/6050 or 6050A Wide Format is applicable to both products.

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Conventions

This User Guide uses the following symbols and conventions:

< > key	Indicates the keys on the keyboard. Example Press the <Enter> key.
[ ]	Indicates the menus and display items on the screens. Example Select either the [On] or [Off] buttons to display [Job Name], [Owner], and [Reason] in that order.
" "	Indicates areas of reference within this User Guide. Also indicates messages. Example Refer to "3.2 Print Services". A message stating "Additional Port Information Required. The Device could not be identified" appears.
Important	Indicates important information which you should read.
Note	Indicates additional information on operations or features.
Refer to	Indicates reference sources.
Example	Indicates examples.

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Safety Notes

Read these safety notes carefully before using this product to ensure you operate the equipment safely.

Your Xerox product and recommended supplies have been designed and tested to meet strict safety requirements. These include safety agency approval, and compliance with established environmental standards. Please read the following instructions carefully before operating the product and refer to them as needed to ensure the continued safe operation of your product. The safety and environment testing and performance of this product have been verified using Xerox materials only.

WARNING: Any unauthorized alteration, which may include the addition of new functions or connection of external devices, may affect the product certification. Please contact your authorized local dealer for more information

WARNING MARKINGS

Warning Markings

All warning instructions marked on or supplied with the product should be followed.

Warning — This WARNING alerts user to areas of the product where there is the possibility of personal injury.

Warning — This WARNING alerts users to areas of the product where there are heated surfaces, which should not be touched.

WARNING

This product is certified manufactured and tested in compliance with strict safety and radio frequency interference regulations. Any unauthorized alteration which, includes the addition of new functions or the connection of external devices, may affect this certification. Please contact your local XEROX Limited representative for a list of approved accessories.

WARNING

In order to allow this equipment to operate in proximity to Industrial, Scientific, and Medical (ISM) equipment, the external radiation from the ISM equipment may have

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to be limited or special mitigation measures taken.

WARNING
Shielded cables must be used with this equipment to maintain compliance with Council Directive 89/336/EEC.

The Electricity at Work Regulation (in England and Wales) UK ONLY

Electricity at Work Regulations

The Electricity at Work Regulation 1989 came into force in England and Wales on the 1 April 1990. This 1989 Regulation places a duty on all employers and self-employed persons to ensure the electrical system in their premises are constructed, maintained and operated in such a manner as to prevent, so far as reasonably practical, danger. This includes ensuring all electrical equipment connected to such electrical systems are safely constructed, maintained and operated. All Xerox equipment have been designed to exacting safety standards. They have all undergone a variety of stringent safety tests including earth bond, insulation resistance and electrical strength tests. Xerox manufacturing plants have been awarded ISO 9000 quality certification and are subject to regular audits by the British Standards Institution or equivalent national standards body. Xerox equipment which has been properly and regularly serviced and maintained should not have to undergo additional specific safety tests pursuant to the 1989 Regulation. Customers wishing to complete safety testing should contact Xerox for advice prior to any test implementation. Xerox equipment should, however, be properly and regularly serviced and maintained at all times.

QUESTION: What is the Electricity at Work Regulation?
ANSWER: The Electricity at Work Regulation 1989 came into force in England and Wales on the
1 April 1990. This 1989 Regulation places a duty on all employers and self-employed persons to ensure the electrical systems in their premises are constructed, maintained and operated in such a manner as to prevent, so far as reasonably practicable, danger. This includes ensuring all electrical products connected to such electrical systems are safely constructed, maintained and operated.

QUESTION: Does Xerox comply with the Electricity at Work Regulation?
ANSWER: The regulation places a duty on all employers and self-employed persons to ensure the electrical systems in their premises are, effectively safe. The regulation does not impose on, amongst others, manufacturers or suppliers of such electrical systems. However, rest assured that all Xerox equipment which Xerox and its authorized distributors supplies to customers, conform with all the relevant safety legislation and standards.

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QUESTION: Is Xerox equipment safe?
ANSWER: All Xerox equipment supplied by Xerox and their authorized distributors conform to all
relevant safety legislation and standards.
QUESTION: Is the Xerox equipment in my premises safe?
ANSWER: All Xerox equipment supplied by Xerox and its authorized distributors conform to all relevant safety legislation and standards. However, like all electrical equipment, they have to be regularly serviced and maintained by competent persons. Xerox Customer Service Engineers ensure Xerox equipment is serviced and maintained to exacting Xerox safety standards. If you would like your Xerox equipment to be serviced and maintained to such high standards, please contact your local Xerox Customer Service Organization. They will be pleased to assist you.

QUESTION: Does the Xerox equipment in my premises comply with the Electricity at Work Regulations?
ANSWER: All employers and self-employed persons must ensure that the electrical systems in their premises are safe. This will include ensuring Xerox equipment in such premises is safe. Xerox Product Safety function has prepared a guide which contains a list of tests which may be completed by your Xerox Customer Service Organization.

Note
THESE TESTS MUST BE CARRIED OUT ONLY BY PERSONS WHO POSSESS THE RELEVANT SKILL, KNOWLEDGE AND EXPERIENCE TO CARRY OUT SUCH TESTS.

Please contact the Xerox Customer Service Organization for further information.

Note
THE USE OF INAPPROPRIATE TEST PROCEDURES AND TEST EQUIPMENT MAY PROVIDE MISLEADING RESULTS AND MAY CAUSE DEATH, PERSONAL INJURY AND/OR DAMAGE TO PROPERTY.

QUESTION: I would like to carry out my own safety tests on the Xerox equipment in my premises.
ANSWER: You may, of course, request such tests as you deem necessary to satisfy yourself that your Xerox equipment is safe. Your Xerox Customer Support will be pleased to advise you on such
testing.

QUESTION: I require records of all tests
ANSWER: After safety testing, your Xerox Customer Service Engineer will provide you with a certificate which details the results of all tests completed. In the event of any defect being noted, the Xerox equipment will be switched off and disconnected from the supply until the defect has been corrected. You will be advised of such action to enable such defects to be corrected.

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Note

PLEASE NOTE: YOU MUST ENSURE THAT YOUR XEROX EQUIPMENT IS SAFE AT ALL TIMES

Electrical Supply

This product shall be operated from the type of electrical supply indicted on the product 's data plate label. If you are not sure that your electrical supply meets the requirements, please consult your local power company for advice.

WARNING

This product must be connected to a protective earth circuit.

This product is supplied with a plug that has a protective earth pin. This plug will fit only into an earthed electrical outlet. This is a safety feature. To avoid risk of electric shock, contact your electrician to replace the electrical outlet if you are unable to insert the plug into it. Never use an earthed adapter plug to connect the product to an electrical outlet that lacks an earth connection terminal.

Operator Accessible Areas

This equipment has been designed to restrict operator access to safe areas only. Operator access to hazardous areas is restricted with covers or guards, which would require a tool to remove. Never remove these covers or guards.

Maintenance

Any operator product maintenance procedures will be described in the user documentation supplied with the product. Do not to carry out any maintenance on this product, which is not described in the customer documentation.

Cleaning Your Product

Before cleaning this product, unplug the product from the electrical outlet. Always use materials specifically designated for this product; the use of other materials may result in poor performance and may create a hazardous situation. Do not use aerosol cleaners; they may be explosive and flammable under certain circumstances.

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WARNING - Electrical Safety Information

CAUTION

Ensure that the power connection for your machine satisfies these requirements

- Use only the power cord supplied with this equipment.
- The socket outlet shall be installed near the equipment and shall be easily accessible.
- Plug the power cord directly into a grounded electrical outlet. Do not use an extension cord. If you do not know whether or not an outlet is grounded, consult a qualified electrician.
- This equipment is to be used on a dedicated 20A, 208-240 Vac 60Hz circuit or 16A, 220-240 Vac 50Hz circuit. The equipment must be connected to a grounded main outlet. If this machine needs to be moved to a different location, contact a Xerox service representative or your authorized local representative or service support organization.
- Improper connection of the equipment-grounding conductor can result in electrical shock.

- Do not place this equipment where people might step on or trip on the power cord.
- Do not place objects on the power cord.
- Do not override or disable electrical or mechanical interlocks.
- Do not obstruct the ventilation openings.
- Never push objects of any kind into slots or openings on this equipment.

Emergency Power Off

If any of the following conditions occur, switch off the power to the machine immediately and disconnect the power cord from the electrical outlet. Call an authorized local service representative to correct the problem.

- The equipment emits unusual noise or odors.
- The power cord is damaged or frayed.
- A wall panel circuit breaker, fuse, or other safety device has been tripped.
- Liquid is spilled into the copier/printer.
- The equipment is exposed to water.
- Any part of the equipment is damaged.

Note

The only method to remove all power from the machine is to disconnect the power cord plug from the electrical outlet.

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Disconnect Device

The power cable is the disconnect device for this equipment. It is attached to the back of the machine as a plug-in device. To remove all electrical power from the equipment, disconnect the power cable from the electrical outlet.

Operational Safety Information

Xerox equipment and supplies have been designed and tested to meet strict safety requirements. These include safety agency examination, approval and compliance with established environmental standards. To ensure the continued safe operation of your Xerox/Fuji Xerox equipment, follow these safety guidelines at all times.

Do These:

- Always connect equipment to a correctly grounded power outlet. If in doubt, have the outlet checked by a qualified electrician.
- Always locate the machine on a solid support surface (not on plush carpet) that has adequate strength to support the weight of the machine.
- This equipment must be connected to a protective earth circuit.

This equipment is supplied with a plug that has a protective earth pin. This plug will fit only into an earthed electrical outlet. This is a safety feature. To avoid risk of electric shock, contact your electrician to replace the electrical outlet if you are unable to insert the plug into it. Never use a plug that lacks an earth connection terminal to connect the product to an electrical outlet.

- Always follow all warnings and instructions that are marked on or supplied with the equipment.
- Always exercise care when moving or relocating equipment. Please contact your local Xerox/Fuji Xerox Service Department, or your local support organization to arrange relocation of the product to a location outside of your building.
- Always locate the equipment in an area that has adequate ventilation, and the room for servicing. See the Install guide for minimum dimensions.
- Always use materials and supplies specifically designed for your Xerox/Fuji Xerox equipment. Use of unsuitable materials may result in poor performance.
- Always unplug this equipment from the electrical outlet before cleaning.

Do Not Do These:

- Never use a plug that lacks an earth connection terminal to connect the product to an electrical outlet.
- Never attempt any maintenance function that is not specifically described in this documentation.
- This equipment should not be placed in a built-in installation unless proper ventilation is provided, please contact your Authorized local dealer for further information.

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- Never remove covers or guards that are fastened with screws. There are no operator serviceable areas within these covers.
- Never locate the equipment near a radiator or any other heat source.
- Never push objects of any kind into the ventilation openings.
- Never override or "cheat" any of the electrical or mechanical interlock devices.
- Never operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the electrical outlet and contact your local Xerox/Fuji Xerox Service Representative or Service Provider immediately.

Maintenance Information

Do not attempt any maintenance procedure that is not specifically described in the documentation that is supplied with your copier/printer.

- Do not use aerosol cleaners. The use of cleaners that are not approved may cause poor performance of the equipment, and could create a dangerous condition.
- Use supplies and cleaning materials only as directed in this manual. Keep all of these materials out of the reach of children.
- Do not remove covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.
- Do not perform any maintenance procedures unless you have been trained to do them by an authorized local dealer or unless a procedure is specifically described in the user manuals.

Ozone Safety Information

This product will produce ozone during normal operation. The ozone produced is heavier than air and is dependent on copy volume. Providing the correct environmental parameters as specified in the Xerox installation procedure will ensure that the concentration levels meet safe limits.

If you need additional information about ozone, please request the Xerox publication Ozone by calling 1-800-828-6571 in the United States and Canada. In other markets please contact your authorized local dealer or Service Provider.

State of Vermont Mercury Labeling Law

Xerox operates a worldwide equipment takeback and reuse/recycle program. Contact your Xerox sales representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit http://www.xerox.com/environment.
If you are managing the disposal of your Xerox product, please note that the prod-

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uct **contains lamp(s) with mercury*, and** may contain lead*, Perchlorate* and other materials whose disposal may be regulated due to environmental considerations. The presence of these materials is fully consistent with global regulations applicable at the time that the product was placed on the market. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site: http://www.eiae.org. Perchlorate Material-This product may contain one or more Perchlorate-containing devices, such as batteries. Special handling may apply, please see http://www.dtsc.ca.gov/hazardouswaste/perchlorate.

For Consumables

Store all consumables in accordance with the instructions given on the package or container.

- Keep all consumables away from the reach of children.
- Never throw toner, toner cartridges, or toner containers into an open flame.

Radio Frequency Emissions

United States, Canada, Europe, Australia/ New Zealand

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will required to correct the interference at his own expense.

Changes and modifications to this equipment not specifically approved by Xerox/ Fuji Xerox may void the user's authority to operate this equipment.

Shielded interface cables must be used with this equipment to maintain compliance with FCC regulations in the United States and the Radio Communications Act 1992 in Australia/New Zealand as applicable.

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Canadian EME

This Class "A" digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe "A" est conforme à la norme NMB-003 du Canada.

Product Safety Certification

This product is certified by the following Agencies using the Safety standards listed.

Agency	Standard
TUV Rheinland of North America, Inc.	UL60950:2000 (USA)
	Can/CSA-c22.2 No. 60950-00 (Canada)
TUV Rheinland Japan Ltd.	IEC60950:1999

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Regulatory Information

CE Mark

The CE mark applied to this product symbolizes Xerox's declaration of conformity with the following applicable Directives of the European Union as of the dates indicated:

January 1, 1995: Council Directive 72/23/EEC amended by Council directive 93/68/EEC, approximation of the laws of the member states related to low voltage equipment.
January 1, 1996: Council directive 89/336/EEC, approximation of the laws of the member states related to electromagnetic compatibility.
March 9, 1999: Council Directive 99/5/EC, on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.
A full declaration of conformity, defining the relevant directives and referenced standards, can be obtained from your Authorized local dealer.

WARNING: In order to allow this equipment to operate in proximity to Industrial Scientific and Medical (ISM) equipment, the external radiation from the ISM equipment may have to be limited or special mitigation measures taken.

WARNING: This is a Class A product. In a domestic environment the product may cause radio frequency interference, in which case the user may be required to take adequate measures.

WARNING: Shielded interface cables must be used with this product to maintain compliance with Council Directive 89/336/EEC.

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Environmental Compliance

USA - Energy Star (6030/6050 Wide Format)

As an ENERGY STAR partner, Xerox Corporation/Fuji Xerox has determined that (the basic configuration of) ****this**** product meets the ENERGY STAR guidelines for energy efficiency.

The ENERGY STAR and ENERGY STAR MARK are registered United States trademarks.

The ENERGY STAR Office Equipment Program is a team effort between U.S., European Union and Japanese governments, and the office equipment industry to promote energy-efficient copiers, printers, fax, multifunction machine, personal computers, and monitors. Reducing product energy consumption helps combat smog, acid rain and long-term changes to the climate by decreasing the emissions that result from generating electricity.

Xerox ENERGY STAR equipment is preset at the factory to enter a ”low power” state and/or shut off completely after a specified period of use. These energy-saving features can reduce product energy consumption in half when compared to conventional equipment.

USA - Energy Star (6050A Wide Format)

As an ENERGY STAR partner, Xerox Corporation/Fuji Xerox has determined that (the basic configuration of) ****this**** product does not meet the ENERGY STAR guidelines for energy efficiency.

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Canada - Environmental Choice

Terra Choice Environmental Services, Inc. of Canada has verified that this product conforms to all applicable Environmental Choice EcoLogo requirements for minimized impact to the environment.

As a participant in the Environmental Choice program, Xerox Corporation has determined that this product meets the Environmental Choice guidelines for energy efficiency.

Environment Canada established the Environmental Choice program in 1988 to help consumers identify environmentally responsible products and services. Copier, printer, digital press and fax products must meet energy efficiency and emissions criteria, and exhibit compatibility with recycled supplies. Currently, Environmental Choice has more than 1,600 approved products and 140 licensees. Xerox has been a leader in offering EcoLogo approved products.

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Product Recycling and Disposal

USA

Xerox operates a world wide equipment take back and reuse/recycle program. Contact your Xerox Sales Representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit www.xerox.com/environment.

If you are managing the disposal of your Xerox product, please note that the product contains lead, mercury and other materials whose disposal may be regulated due to environmental considerations. The presence of lead and mercury is fully consistent with global regulations applicable at the time that the product was placed on the market. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site: www.eiae.org.

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USA

Congress, by statute, has forbidden the reproduction of the following subjects under certain circumstances. Penalties of fine or imprisonment may be imposed on those guilty of making such reproductions.

1. Obligations or Securities of the United States Government, such as:

Certificates of Indebtedness	National Bank Currency
Coupons from Bonds	Federal Reserve Bank Notes
Silver Certificates	Gold Certificates
United States Bonds	Treasury Notes
Federal Reserve Notes	Fractional Notes
Certificates of Deposit	Paper Money

Bonds and Obligations of certain agencies of the government, such as FHA, etc.

Bonds. (U.S. Savings Bonds may be photographed only for publicity purposes in connection with the campaign for the sale of such bonds.)

Internal Revenue Stamps. (If it is necessary to reproduce a legal document on which there is a canceled revenue stamp, this may be done provided the reproduction of the document is performed for lawful purposes.)

Postage Stamps, canceled or uncanceled. (For philatelic purposes, Postage Stamps may be photographed, provided the reproduction is in black and white and is less than 75% or more than 150% of the linear dimensions of the original.)

Postal money Orders.

Bills, Checks, or Draft of money drawn by or upon authorized officers of the United States.

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1. Stamps and other representatives of value, of whatever denomination, which have been or may be issued under any Act of Congress.

2. Adjusted Compensation Certificates for Veterans of the World Wars.

3. Obligations or Securities of any Foreign Government, Bank, or Corporation.

4. Copyrighted materials, unless permission of the copyright owner has been obtained or the reproduction falls within the "fair use" or library reproduction rights provisions of the copyright law. Further information of these provisions may be obtained from the Copyright Office, Library of Congress, Washington, D.C. 20559. Ask for Circular R21.

5. Certificates of Citizenship or Naturalization. (Foreign Naturalization Certificates may be photographed.)

6. Passports. (Foreign Passports may be photographed.)

7. Immigration Papers.

8. Draft Registration Cards.

9. Selective Service Induction Papers that bear any of the following Registrant's information:

Earnings or Income	Dependency Status
Court Record	Previous military service
Physical or mental condition	

Exception: United States military discharge certificates may be photographed.

10. Badges, Identification Cards, Passes, or Insignia carried by military personnel, or by members of the various Federal Departments, such as FBI, Treasury, etc. (unless photograph is ordered by the head or such department or bureau.)

Reproducing the following is also prohibited in certain states:

Automobile Licenses - Drivers' Licenses - Automobile Certificates of Title.

The above list is not all-inclusive, and no liability is assumed for its completeness or accuracy. In case of doubt, consult your attorney.

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Canada

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1. Current bank notes or current paper money.

2. Obligations or securities of a government or bank.

3. Exchequer bill paper or revenue paper.

4. The public seal of Canada or of a province, or the seal of a public body or authority in Canada, or of a court of law.

5. Proclamations, orders, regulations or appointments, or notices thereof (with intent to falsely cause same to purport to have been printed by the Queen's Printer for Canada, or the equivalent printer for a province).

6. Marks, brands, seals, wrappers or designs used by or on behalf of the Government of Canada or of a province, the government of a state other than Canada or a department, board, Commission or agency established by the Government of Canada or of a province or of a government of a state other than Canada.

7. Impressed or adhesive stamps used for the purpose of revenue by the Government of Canada or of a province or by the government of a state other than Canada.

8. Documents, registers or records kept by public officials charged with the duty of making or issuing certified copies thereof, where the copy falsely purports to be a certified copy thereof.

9. Copyrighted material or trademarks of any manner or kind without the consent of the copyright or trademark owner.

The above list is provided for your convenience and assistance, but it is not all-inclusive, and no liability is assumed for its completeness accuracy. In case of doubt, consult your solicitor.

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Other Countries

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- Currency notes

- Bank notes and cheques

- Bank and government bonds and securities

- Passports and identification cards

- Copyright material or trademarks without the consent of the owner

- Postage stamps and other negotiable instruments

This list is not inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.

Safety Extra Low Voltage Approval

These Xerox Digital Copiers/Printers are in compliance with various governmental agencies and national safety regulations. All system ports meet the requirements for Safety Extra Low Voltage (SELV) circuits for connection to customer-owned devices and networks. Additions of customer-owned or third-party accessories that are attached to these printers/copiers must meet or exceed the requirements previously listed. All modules that require external connection must be installed per Xerox installation procedures.

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Table of Contents

1.1 Product Configurations 2
1.2 Major Components 4
1.3 Power On/Off 7
1.4 Power Save Mode 10
1.5 Printer Control Panel Overview 12
1.6 Print Services on Web Overview (6030/6050) 13
Operating Modes 14
1.7 Logical Printers Overview (6030/6050) 16
1.8 Loading Roll Media 17
1.9 Drawer Media Size Indicators 20
Inserting media size sheets 21
1.10 Loading Media for Manual Feeding 23
1.11 Cutting Roll Media 24
Cutting Roll Media Manually 25

Chapter 2 Printer Overview

2.1 Overview of the 6030/6050/6050A Wide Format Printer 32
What is the 6030/6050/6050A Wide Format Printer? 32
Print Service Operations 36
Main Printing Functions 38
2.2 Printer Control Panel Usage 44
Basic Printer Control Panel Operations 45
Overview of the Operation Menu 46
2.3 Print Services on Web (6030/6050) 51
Operating Environment 51
Starting and Exiting Print Services on Web 52
Print Services on Web Organization 53
2.4 FreeFlow Accxes Web Print Management Tool (6050A) 56
Users 57
Using Web Print Management Tool Main Menu 58

Downloaded From ManualsPrinter.com Manuals

Chapter 3 Printer Setup

3.1 Communication Parameters 60
Communication Parameters Definitions 60
3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050) 69
3.3 Communication Parameter Setup (Printer Control Panel, 6050A) 74
3.4 Communication Parameter Setup (Print Services on Web, 6030/6050) 75
3.5 Communication Parameter Setup (Web Printer Management Tool, 6050A) 78
3.6 System Parameter Setup (Printer Control Panel, 6030/6050) 79
3.7 System Settings Setup (Printer Control Panel, 6050A) 82
3.8 System Parameter Setup (Print Services on Web, 6030/6050) 84
3.9 System Parameter Setup (Web Printer Management Tool, 6050A) 92
3.10 Printing a Configuration List (6030/6050) 93
3.11 Printing a Configuration List (6050A) 97
3.12 Software Option (Print Services on Web, 6030/6050) 101
3.13 Software Option (Web Printer Management Tool, 6050A) 102
3.14 Change Password (Print Services on Web, 6030/6050) 103
3.15 Change Password (Web Printer Management Tool, 6050A) 104
3.16 Change Default Language (Print Services on Web, 6030/6050) 105
3.17 Change Default Language (Web Printer Management Tool, 6050A) 106

Chapter 4 Logical Printer Setup and Operation (6030/6050 only)

4.1 Creating a New Logical Printer 108
4.2 Defining the Print Settings 111
4.3 Logical Printer Print Settings 112
Media Series 115
Size/Media Mapping 117
Media Source 120
Media Type 121
User-Defined Size 122
Input Option 123
Input Size Margin 125
Plot Area 127
Priority 132
Title Block 133

Downloaded From ManualsPrinter.com Manuals

Split Drawing 134
Message Option 136
Printed Copy 138
Output Option 139
Size Recognition 142
Color Option 144
Transform 145
Define Single Pen 147
Define Multi Pen 151
Pen Option 152
Emulation 153
PS Command 154
EOP Command 155
VCGL Pen Style (VCGL Define Pen) 156
VCGL Pen Width 158
VRF Define Pen (Define Single Pen) 159
VRF Define Multi Pen 161
TIFF Option 162
CALS Option 163
PS/PDF Option 164
4.4 Logical Printer Operations 165
Selecting the Media Type 166
Using Media Other Than the Default Series 167
Changing Output Roll Media for an Entire Job 168
Reduction and Enlargement Using Size Mapping 169
Printing Long Documents 170
4.5 Print Services on Web: Job and Log 171
Display the Print Queue 171
Cancel and Change the Priority of Jobs 174
Manage the Job and Error Logs 176
4.6 Print Services on Web: Status 187
Display Printer Status 187
Start and Stop Job Reception, Printing, and the Print Service 190
4.7 Print Services on Web: Tools 191
Print a Test Pattern 191

Downloaded From ManualsPrinter.com Manuals

Print a Diagnostic Report 192
4.8 Manual Feed Printing 193

Chapter 5 Additional Operations from the Printer Menu

5.1 Introduction 196
5.2 Printer Control Panel Menu (6030/6050) 197
5.3 Printer Control Panel Menu (6050A) 203
5.4 Test Printing (6030/6050 only) 207
5.5 Managing the Job and Error Logs (6030/6050 only) 208
Job Log 208
Error Log (6030/6050 only) 210
5.6 Reprinting (6030/6050 only) 212
5.7 Billing Meter Confirmation (6030/6050) 213
5.8 Billing Meter Confirmation (6050A) 214
5.9 Print Setup Menu 215
Setting Up Media 215
5.10 Automatic Cut Using the Printer Control Panel 220

Chapter 6 Ethernet Print Service (for UNIX)

6.1 Overview of the Ethernet Print Service 224
6.2 Registering the Xerox 6030/6050 Wide Format Printer System 225
Host System Registration 225
Registering the Remote Printer 226
6.3 Registering the Xerox 6050A Wide Format Printer System 228
Host System Registration 228
Registering the Remote Printer 229
6.4 Printing Using the ftp Command (6030/6050 only) 231
Printing 231
Other Subcommands 234
Message List 235
6.5 Printing Using the lp/lpr Command 240
Printing (lpr Command) 240
Printing (lp Command) (for SunOS 5.x) 243
Status Display (lpq Command) 244
Cancel (lprm Command) 246

Downloaded From ManualsPrinter.com Manuals

Message List (6030/6050 only) 249

Chapter 7 Maintenance

7.1 Loading Toner 252

Chapter 8 Problem Solving

8.1 Check the Control Panel(s) 256

8.2 Poor Image Quality 257

8.3 Other Problems 258

8.4 Printer Troubleshooting 259

Jams in the Feeder (Roll Media) 261

Jams in the Printer and Ejection Port 263

Chapter 9 Specifications

9.1 Main Specifications (6030/6050) 266

9.2 Main Specifications (6050A) 272

9.3 Media Specifications 277

9.4 Machine Specifications (6030/6050) 278

9.5 Machine Specifications (6050A) 281

Command List 284

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Chapter 1

Product Overview

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1.1 Product Configurations

The following product configurations and options are available for the Xerox 6030/6050/6050A Wide Format Printer and the Xerox 6030/6050/6050A Wide Format Copier/Printer.

Xerox 6030/6050/6050A Wide Format Printer

This unit is a printer only. Refer to the printer sections of this guide for information about its setup, features, and usage.

Xerox 6030/6050/6050A Wide Format Printer

Xerox 6030/6050 Wide Format Copier/Printer

This unit features copier functionality through an integrated scanner and copier control panel, plus the ability to receive and print jobs submitted to it from remote workstations.

Xerox 6030/6050 Wide Format Copier/Printer

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Xerox 6030/6050/6050A Wide Format Printer with Scan System

This unit features copier and printer functionality, plus the Wide Format Scan System and the FreeFlow Accxes® Controller.

Xerox 6030/6050 Wide Format Printer with Scan System (HFT controller shown is not available with the 6050A)

Xerox 6030/6050/6050A Wide Format Options

You may acquire additional hardware and software options for all units. Contact your Xerox Sales Representative to obtain additional information on options.

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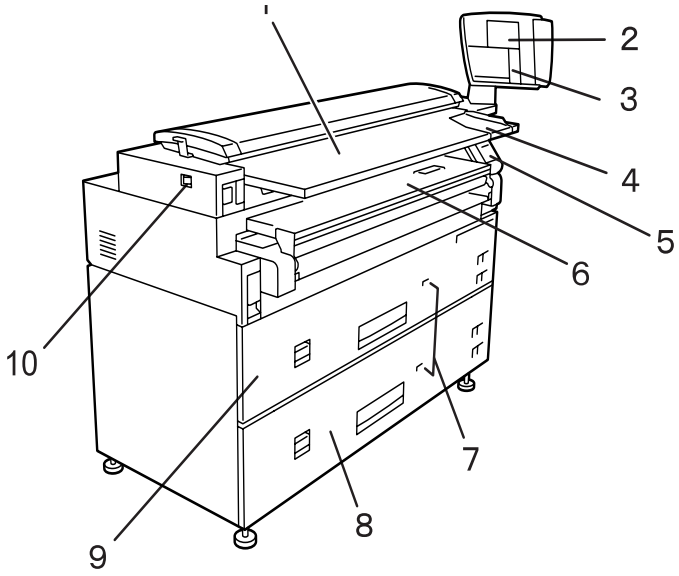
1.2 Major Components



Major Components: Front

(*6030/6050 Copier/Printer only)

	Name	Function
***1**	Document table	Documents to be scanned are inserted here.
***2**	Setup screen (touch screen)	Used to set up copy jobs, map originals to the installed media, display messages and procedures, and provide troubleshooting help, e.g., for jam clearance.
***3**	Control panel	Contains a numeric keypad, Start/Stop buttons, and selection buttons for copy setups.
***4**	Document insertion guide	Helps the user align the edge of a document when feeding it into the scanner.
5	Printer control panel	Used to change the media size and type, set up printing and communication parameters, etc.
6	MSI*/Manual Feed Unit (*Multi Sheet Inserter) (optional)	Used for printing or copying on cut sheet media.
7	Feeder LED	Illuminates red when the media tray is in use.
8	Media tray (6050 only)	A dual-roll media tray that feeds roll paper.
9	Media tray (Standard)	A dual-roll media tray that feeds roll paper.

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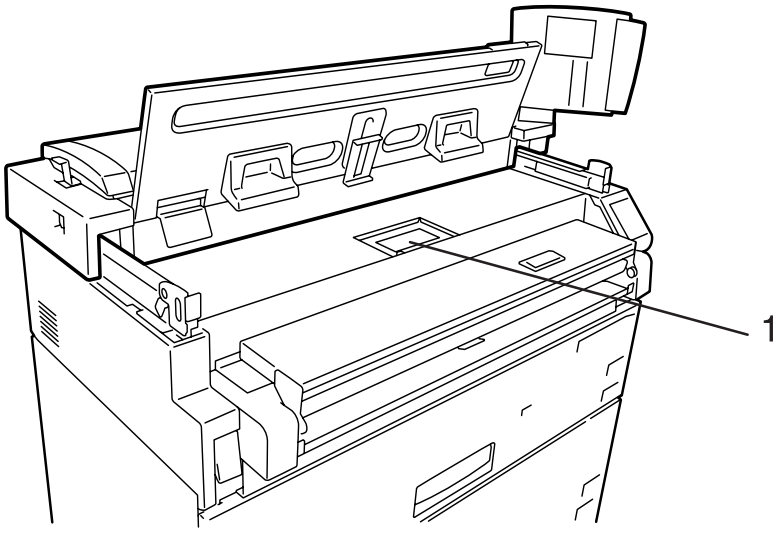
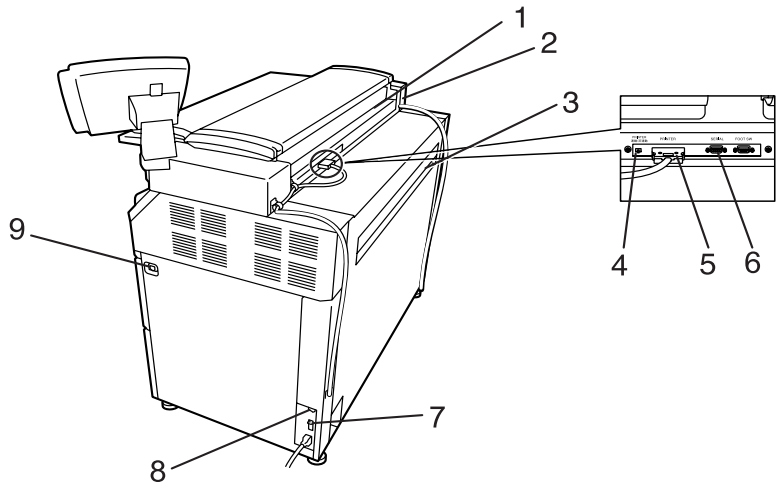
	Name	Function
***10**	Scanner power switch	Switches the power to the scanner on and off.



	Name	Function
1	Toner supply port	The toner is refilled through this port.

Major Components: Rear



(*6030/6050 Copier/Printer only)

	Name	Function
***1**	Document ejection port	Documents exit the scanner from this location.
***2**	Power outlet socket	Not available
3	Print ejection port	Fused copies and prints exit the machine from this location.

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	Name	Function
***4**	Remote switch	A selector switch that enables the user to switch the power to both the scanner and the printer on and off from the Main Power Switch.
***5**	Interface connector	The connector to which the printer is connected.
***6**	Serial port connector	Used by the service representative for maintenance.
7	Circuit Breaker Switch	Provides circuit breaker protection for the Copier/Printer or Printer.
8	Paper Heater Switch	Switches the paper heaters on and off.
9	Main Power Switch	Switches the printer power on and off (if the Circuit Breaker Switch is already switched on).

Important *Connections to the host computer and other necessary connections will be taken care of by your service representative.*

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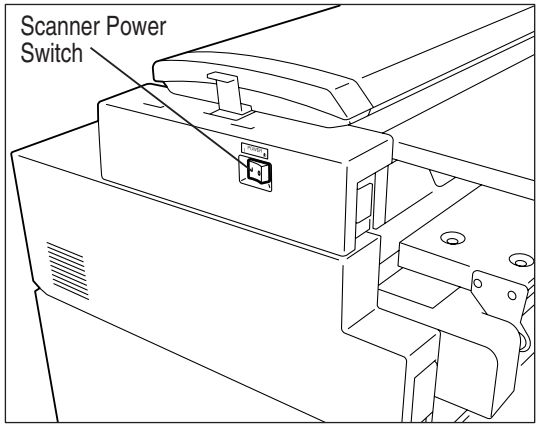
1.3 Power On/Off

The scanner and the printer are each equipped with a power switch. The Circuit Breaker Switch must be in the ON position to switch the printer and scanner power on and off. No power is consumed when the Circuit Breaker Switch is in the OFF position, even though the power plug is connected to the power source.

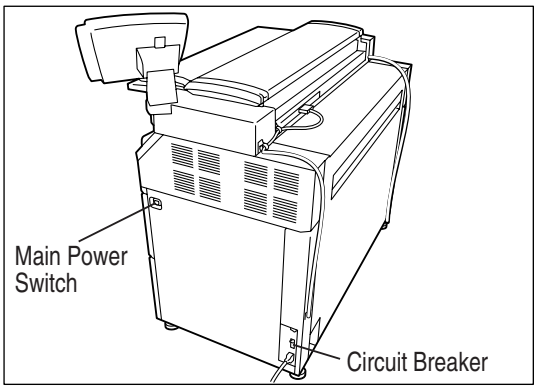
Powering On 6030/6050

1 Set the Remote Switch to [Connect].

Note *When the Remote Switch is set to [Connect], and the Scanner Power Switch is set to ON, the Main Power Switch controls power to both the Printer and the Scanner.*



2 Switch ON the Scanner Power Switch.



3 Switch ON the Circuit Breaker Switch.

4 Switch ON the Main Power Switch.

Powering On 6050A

1 Switch ON the Main Power Switch.

2 Switch ON the Circuit Breaker Switch.

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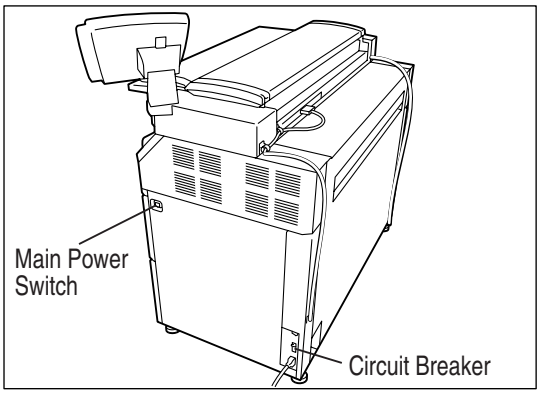
3 Press power button on Accxes® Controller.

Note The 6050A will not operate unless Accxes controller is ON.

Powering Off 6030/6050

Switch off the power following the steps below.

⚠ *Never switch off the power while the machine is printing. Failure to observe this precaution may result in paper jams in the high-temperature areas of the printer.*

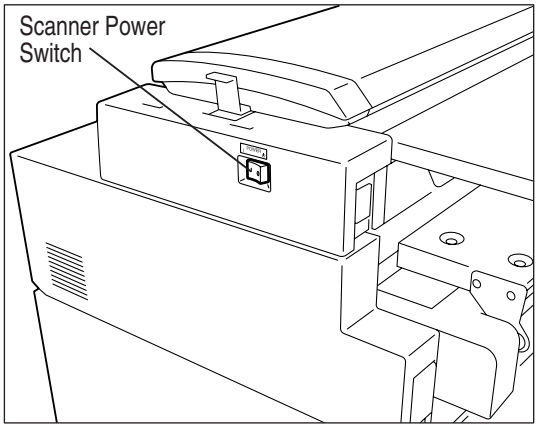


1 Switch OFF the Main Power Switch.

Note *When the remote switch is set to [Connect], and the Scanner Power Switch is set to ON, the power to the Printer and Scanner can be switched on and off with the Main Power Switch.*

2 Switch OFF the Scanner Power Switch.

Note *Switch off the Circuit Breaker Switch if the machine will not be used for a long period of time.*



3 Switch the Circuit Breaker Switch to the OFF position.

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Powering Off 6050A

Switch off the power following the steps below.

Never attempt to switch off the power while the machine is printing. Failure to observe this precaution may result in paper jams in the high-temperature areas of the printer.

1. Press the <Menu> button.
2. Press < ▼ > twice to display the Utilities menu option.
3. Press the < ▶ > button.
4. Press < ▲ > once to display the Shut Down menu option.
5. Press the <Set> button.

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1.4 Power Save Mode

The Power Save Mode automatically lowers the power consumption of the machine by reducing the fuser power. The machine will enter the power save mode when no prints or copies have been made for a preset period of time.

- Low power mode 1
  This mode reduces the temperature of the fuser, thereby reducing power consumption. The parameters that can be set up are only [ON] and [OFF], on the 6030/6050 and the time that must elapse before the mode activates are:

  6030/6050 Copier Printer: 1 to 120 minutes; the default setting is [5 minutes].
  6050A: 15-240 minutes; the default setting is [15 minutes].

- Low power mode 2 **(6030/6050 only)**
  This mode reduces the temperature of the fuser more than Low power mode 1.

  The parameters that can be set up are only [ON] and [OFF] on the 6030/6050, and the time that must elapse before the mode activates is 5 to 120 minutes; the default setting is [15 minutes].

- Sleep Mode
  The sleep mode automatically switches off the power to the printer. The parameters that can be set up are only [ON] and [OFF] on the 6030/6050, and the time that must elapse before the mode activates are:

  6030/6050 Copier/Printer:15 to 120 minutes; the default setting is [90 minutes].
  6050A: 15 to 240 minutes; the default setting is [55 minutes].

Power is restored to normal levels when a print job is received by the printer, and when the <Power Saver> key on the printer control panel is pressed.

The Power Save Mode settings can be accessed and changed using either the <Custom Presets/Meter Check> key on the copier control panel, or the setup menu on the printer control panel.

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Refer to *Refer to "3.8 System Parameter Setup (Print Services on Web, 6030/6050)" for changing the power save mode settings from the printer control panel.*

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1.5 Printer Control Panel Overview

Both the Printer and the Copier/Printer versions of the 6030/6050/6050A Wide Format are equipped with a printer control panel. This section provides an overview of this device.

Important *Refer to section "2.2 Printer Control Panel Usage" and Chapter 5 for detailed explanations of the use of the printer control panel.*

Note It is seldom necessary to use the printer control panel on the 6030/6050 Wide Format Copier/Printer because the same settings usually can be made using either the copier control panel or Print Services on Web, the built-in web interface.

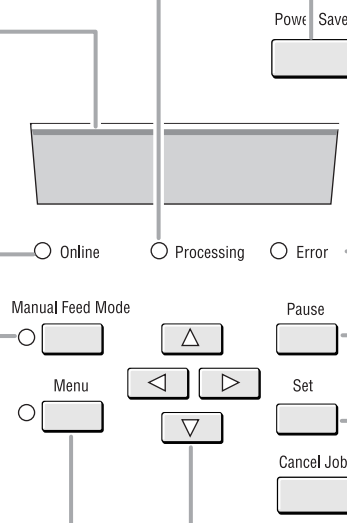
[Processing] lamp (green)
Indicates the printing status.
ON Printing in process (6030/6050 only)
Blinking Receiving print data
OFF Not printing

<Power Saver> button
Activates the energy-saving mode.
Also cancels the energy-saving mode.
ON Energy-saving mode activated.
OFF Energy-saving mode deactivated.

Printer display
Used for setting up the various functions. Displays various messages.

[Error] lamp (red)
Indicates a printing error.
ON Indicates that an error, such as paper jamming, has occurred.
OFF Printer operating normally.

[Online] lamp (green)
Indicates the data processing status.
ON Ready to print.
Blinking Moving to the offline mode.
OFF The offline mode. Printing is not possible.



<Pause> button
Temporarily suspends a job during printing.

<Set> button
Sets the values specified on the menu screen.

<Manual Feed Mode> button
Currently not supported.

<Cancel Job> button
Cancels a job during printing.

<Menu> button
Alternates between the online mode and offline mode.

<▼> <▲> <◀> <▶> buttons
Displays the items and specified values on the menu screen.

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1.6 Print Services on Web Overview (6030/6050)

Print Services on Web is web server software which is pre-installed in the 6030/6050 Wide Format Printer and Copier/Printer. Print Services on Web provides a user-friendly way to perform printer setup, communication (port) setup, job and error log management, and other procedures via a web browser. Print Services on Web also enables the user to perform operations which can not be performed from the printer control panel, for example, displaying job lists and changing job priority.

Refer to *Refer to the topic " Starting and Exiting Print Services on Web" in "2.3 Print Services on Web (6030/6050)" to learn how to log on to Print Services on Web.*

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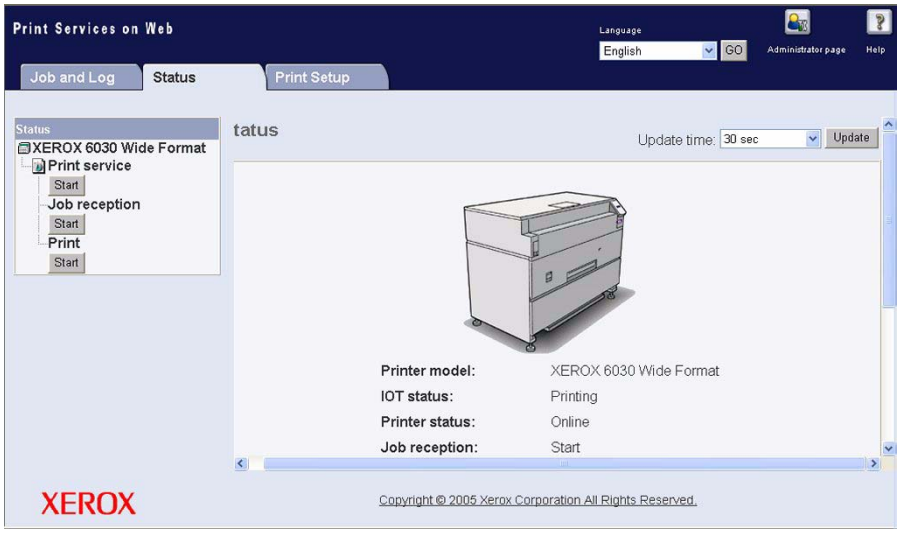
User Mode

The user mode interface (user page) is shown in the image below. This page displays immediately after a user logs on to Print Services on Web. The selections on the tabs enable the user to do the following.

[Job and Log] tab	Check the status of a print job. View and print a job log.
[Status tab]	Check the status of the Printer or Copier/Printer. Start a print job.
[Print Setup] tab	View the logical printer settings.



Refer to *Refer to section "1.7 Logical Printers Overview (6030/6050)" to learn more about logical printers.*

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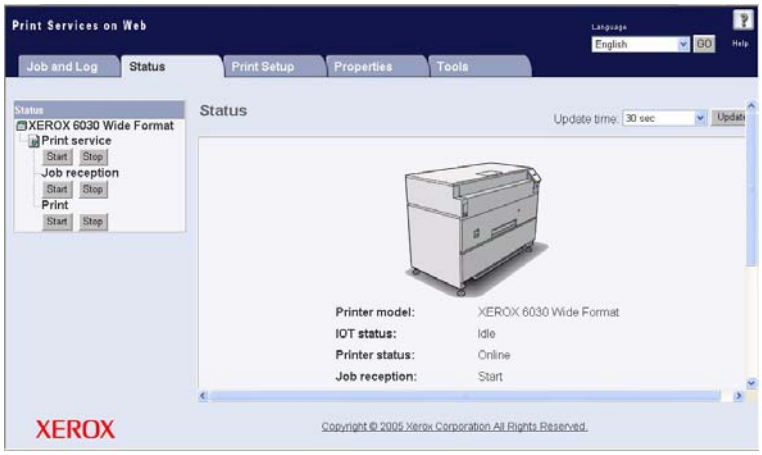
Administrator Mode

To enter the administrator mode, log on to Print Services on Web, select the [Administrator page] button, and then enter the administrator login and password when prompted to do so. The administrator page displays two additional tabs, [Properties] and [Tools], and expands the capabilities of the [Job and Log], [Status], and [Print Setup] tabs.
The selections on the Administrator page tabs enable the administrator to perform the tasks listed below.

[Job and Log] tab	• Check the status of jobs in the print queue. • View and print the job log and the error log. • Cancel a print job. • Change the priority of a print job.
[Status tab]	• Check the status of the Printer or Copier/Printer. • Stop and start print services (job reception and printing). • Stop and start job reception from client computers. • Stop and resume print jobs.
[Print Setup] tab	• Set up new logical printers for each of the allowable data formats (HP-GL, TIFF, CALS, VERSATEC, PS/PDF). • Edit the settings of existing logical printers.
[Properties] tab	• View and change the machine configuration. • View and change communications configurations. • Manage ftp users.
[Tools] tab	• Print a test pattern to verify machine (printer) operation. • Print a Diagnostic Report.



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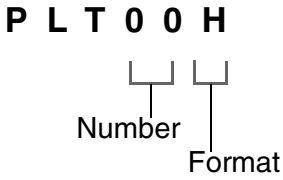
1.7 Logical Printers Overview (6030/6050)

A logical printer (virtual printer) is a group of saved print job settings for a particular data format, i.e., HP-GL, Versatec, TIFF, CALS, and PS/PDF. These saved settings, which are created using Print Services on Web, may include pen attributes, media type, print quantity, and the other parameters that define the print job that the logical printer will be required to perform. Logical printers are to printing as Stored Jobs are to copying, that is, both reduce setup time and increase efficiency by using previously saved job settings. A maximum of one hundred logical printers can be set up within one 6030/6050 Wide Format Printer or Copier/Printer for each supported data format.

Refer to *Refer to "Chapter 4 Logical Printer Setup and Operation (6030/6050 only)" to learn how to set up logical printers.*

How Logical Printers are Named



Logical printer names are assigned based on the following. This naming structure can not be changed.

1st to 3rd digits	[PLT] or [plt] character strings
4th to 5th digits (number)	Two-digit number from 00 to 99
6th digit (data format)	Any of the following.
	H: HP-GL format
	V: Versatec format
	T: TIFF format
	C: CALS format
	A: PS/PDF format (optional)

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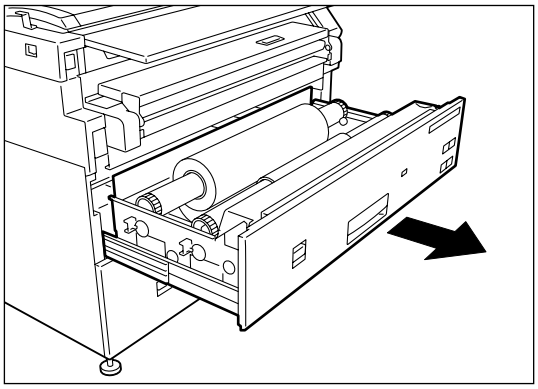
1.8 Loading Roll Media

The message ‘Replace xxx media." will display when there is no media loaded or when the roll in use runs out.
The media size displayed on the control panel will turn off when there is no media in the machine.
Two rolls of media can be loaded in each of the media trays.

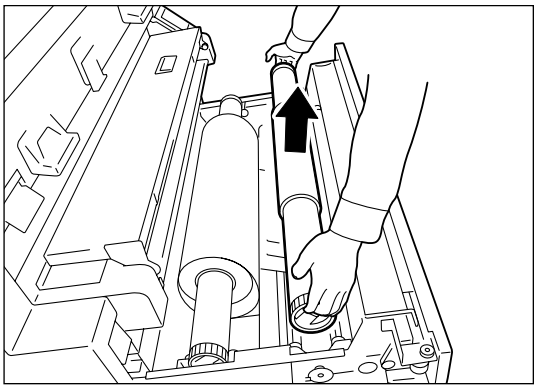
Important *Refer to the instructions provided in " Setting Up Media" and set up the media parameters after the roll media has been loaded.*

Note *Media can be reloaded in the lower media tray while printing is occurring from the upper media tray. Be sure that the Feeder LED on the lower media tray is off (not illuminated) before opening the lower media tray.*

Procedure



1 Open the media tray.



2 Remove the shaft containing the roll paper that is to be replaced.

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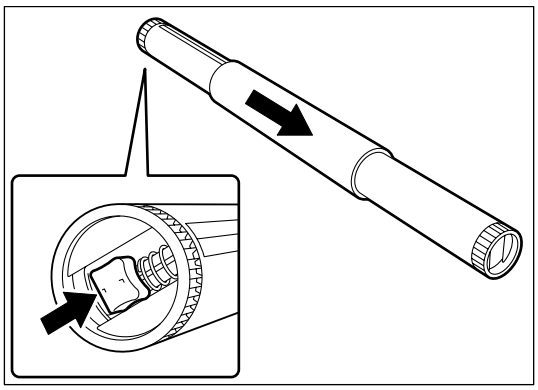
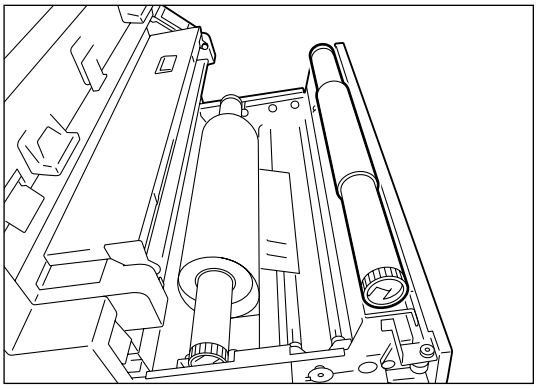
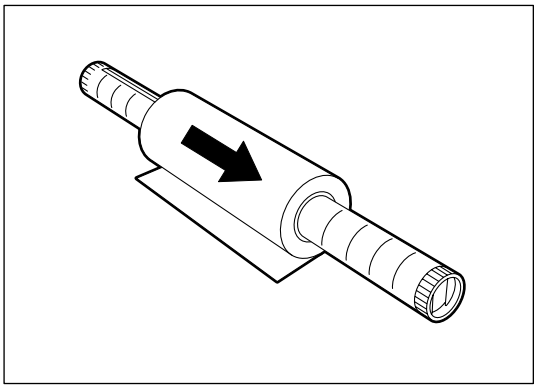


3 While pulling on the lever located in the end of the roll paper shaft, remove the paper core in the direction of the arrow.

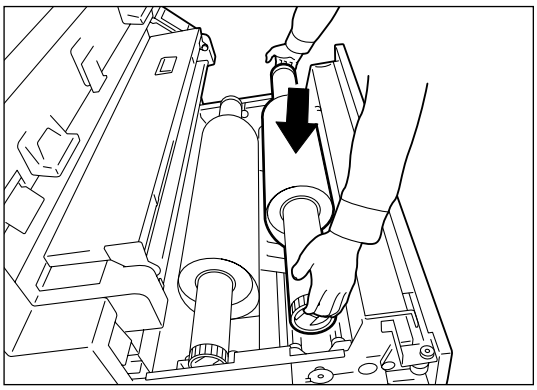
Note *Pulling the lever releases the lock and allows the roll to be removed from the shaft.*



Note *There is an area at the front of the tray on which the roll paper can be placed.*



4 While pulling the lever located in the end of the roll paper shaft, align the roll paper with the paper size marks on the shaft and set the roll in place.



5 Align the roll paper following the directions displayed inside the media tray and load the roll on the shaft guide.

Note *Cut the lead edge of the media before setting it in place if it is damaged. Refer to "1.11 Cutting Roll Media" for details on how to do this.*

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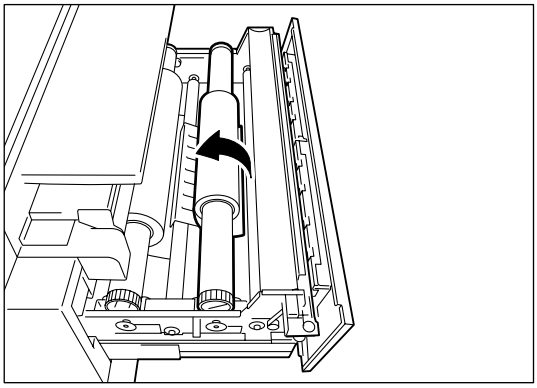
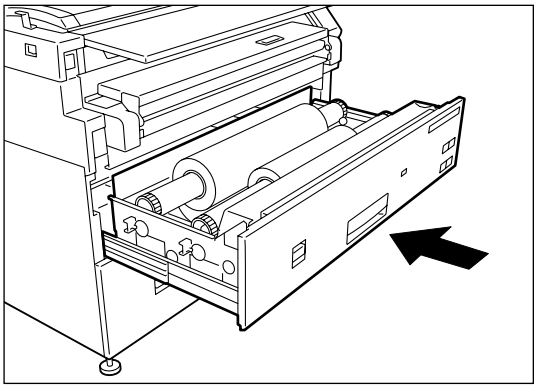


6 Rotate the roll media until the lead edge is gripped in the roller.

Note *Rotate the knob until the leading edge of the paper can be seen in the window.*



7 Gently but firmly close the media tray.
The LED on the front of the tray will illuminate, and the roll paper will feed automatically to its starting position.

8 Set up the media parameters on the copier control panel.

Refer to *" Setting Up Media"*

Note *For the 6050A and 6030/6050 Printers without copiers, the media parameters also may be set up on the printer control panel.*

Refer to *"Chapter 5 Additional Operations from the Printer Menu"*

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1.9 Drawer Media Size Indicators

The media size indictors help the user identify the media that is loaded in each of the drawers. These indicators are visible on the right hand side of the drawers. Usage instructions begin on the next page.
The following types are available.

- Standard size A
- Inch size A

Standard size A

B2	Sp.A2	Sp.A0	A2	A0

Inch size A

11”	17”	22”	30”	36”

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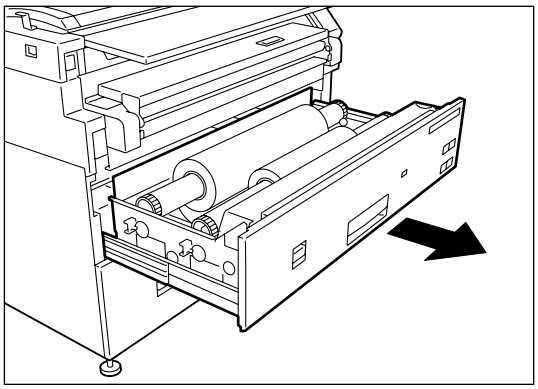
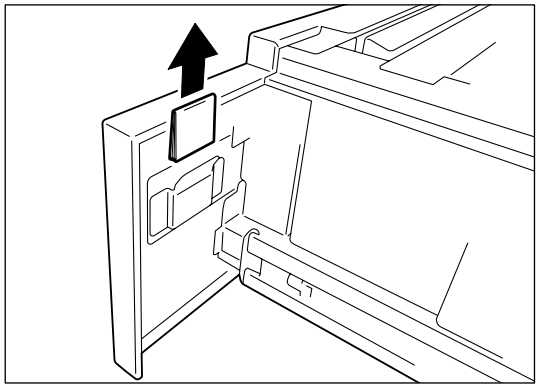
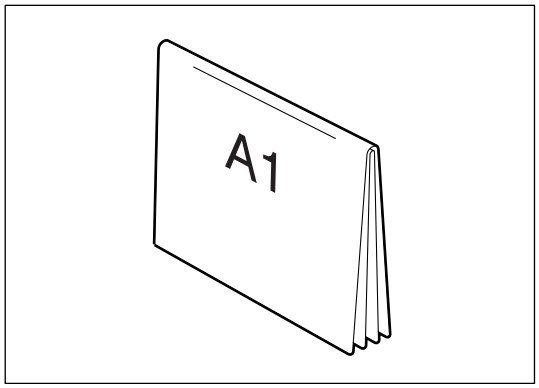
Inserting media size sheets



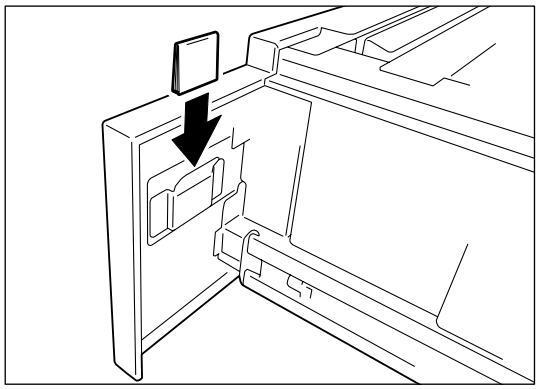
1 Open the tray.



2 Remove the media size sheet.



3 Fold the sheet so that the size loaded is displayed.



4 Insert the media size sheet.

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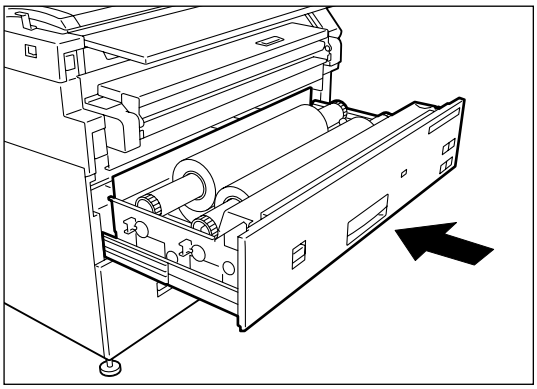

5 Gently but firmly close the media tray.

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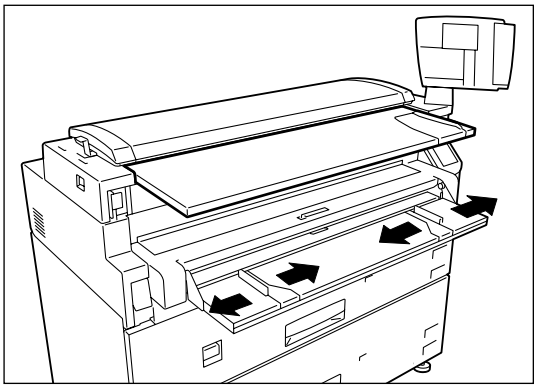
1.10 Loading Media for Manual Feeding



1 Adjust the (MSI) Multi Sheet Inserter/ Manual Feed Unit's side guides to fit the size of the media that is to be printed.

Note *Set the correct media series for the manual feed sheet.*

2 Place the side of the media to be printed face up, and align it with the (MSI) Multi Sheet Inserter/Manual Feed Unit's side guides.

Important
- *The optional (MSI) Multi Sheet Inserter/Manual Feed Unit is required when making manually fed copies.*
- *Standard paper having a width of 297 to 914 mm and a length of 210 to 2,000 mm can be used with the (MSI) Multi Sheet Inserter/Manual Feed Unit.*

3 Push the front edge of the media as far into the machine as it will go. You will hear the sound of a motor as the machine lifts the media to the feed position.

Important *Two or more sheets of A3 (horizontal feed) and A4 (horizontal/vertical feed) size paper can be placed in the MSI. Paper sizes other than A3 (horizontal feed) and A4 (horizontal/vertical feed) sizes must be inserted one sheet at a time.*
Only Bond paper can be used in the (MSI) Multi Sheet Inserter/Manual Feed Unit.

4 Make the required media settings on the copier control panel.

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1.11 Cutting Roll Media

The lead edge of the media should be cut when the media is loaded, on recovery from a media jam, and when the lead edge of the roll is damaged. There are two methods for cutting the lead edge of the roll media:

- Automatic cut: This involves making selections on the printer control panel.

Refer to *Refer to the section "5.7 Billing Meter Confirmation (6030/6050)" for the 6030/6050 and "5.8 Billing Meter Confirmation (6050A)" for the 6050A in "Chapter 5 Additional Operations from the Printer Menu" for details about automatic cutting.*

- Manual cut: Open the media tray and slide the cutter manually.

Refer to *Refer to section " Cutting Roll Media Manually" in this chapter.*

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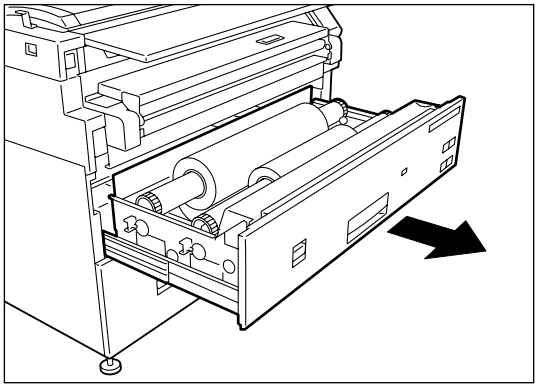
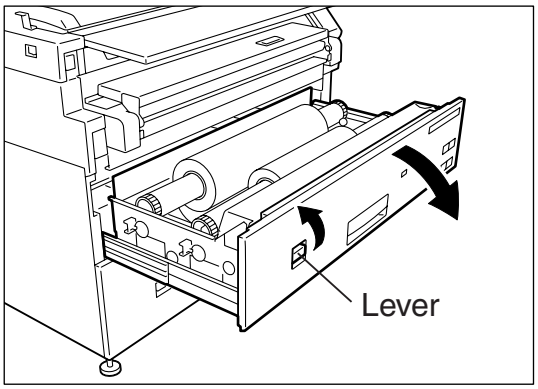
Cutting Roll Media Manually

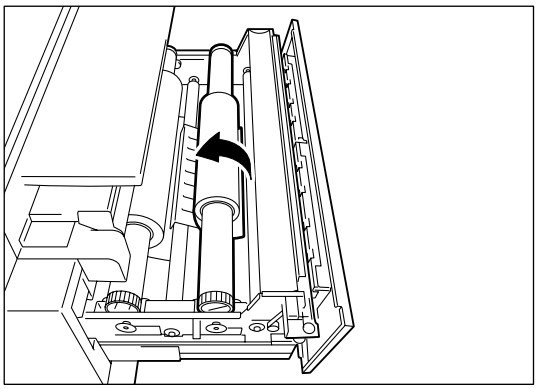
Cutting the Front Roll



1 Open the media tray.



2 Pull the lever to open the tray cover.



3 Rotate the roll media until the lead edge is gripped by the roller.

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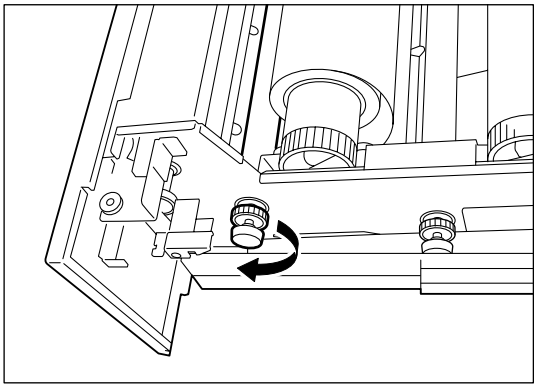
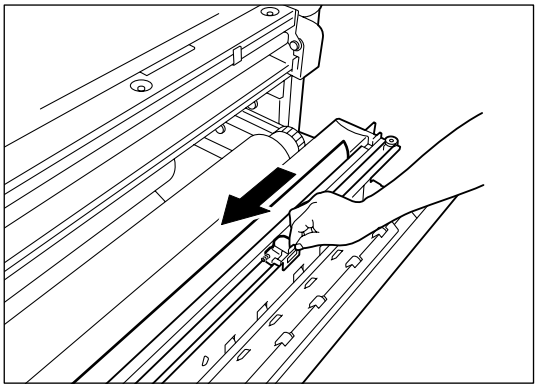
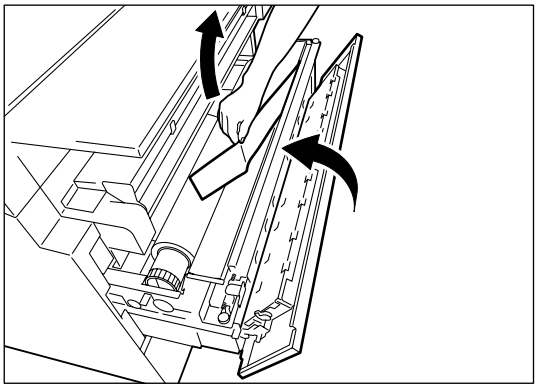


4 Rotate the knob until the media's lead edge protrudes from the tray outlet.



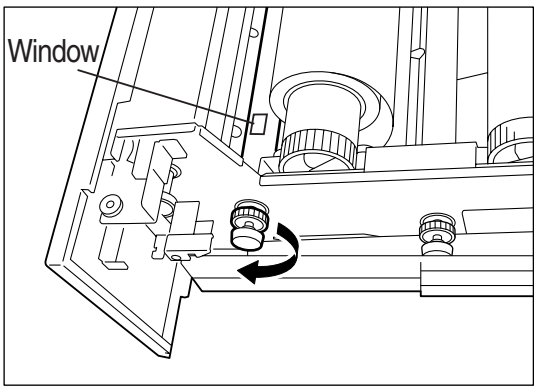
5 Grasp the cutter by the handle and slide it to the opposite side of the tray to cut the paper.

CAUTION: Use the cutter handle to prevent personal injury which may result from sliding your fingers along the sharp, metal cutting bar.



6 Remove the cut off media.

7 Close the tray cover.



8 Return the media to its original location by rotating the knob until the lead edge can be seen in the window.

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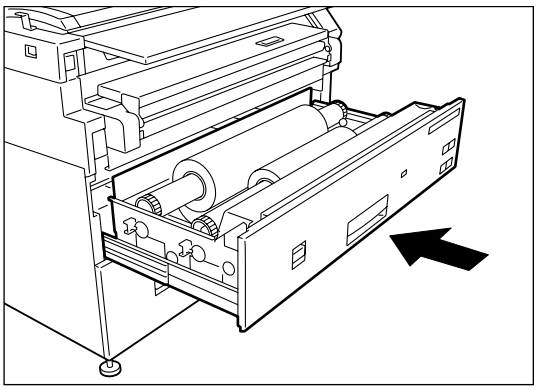
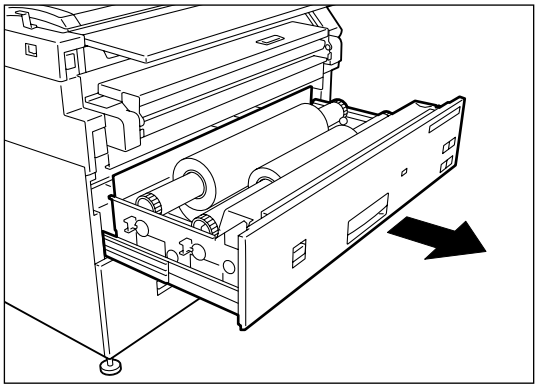
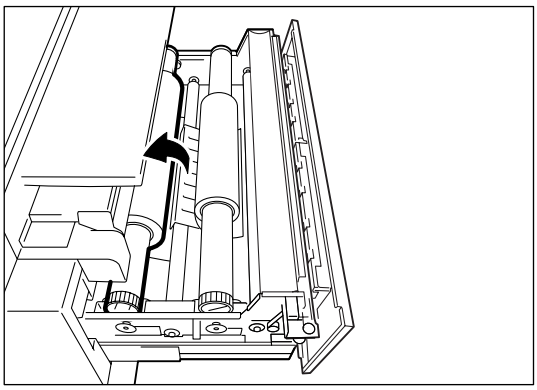


9 Close the media tray.

Cutting the Rear Roll



1 Open the media tray.



2 Rotate the roll paper until the lead edge is gripped by the roller.

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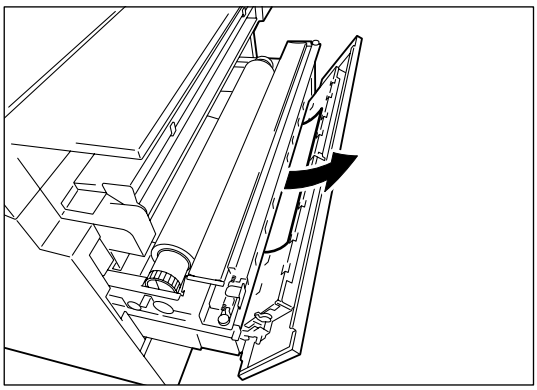
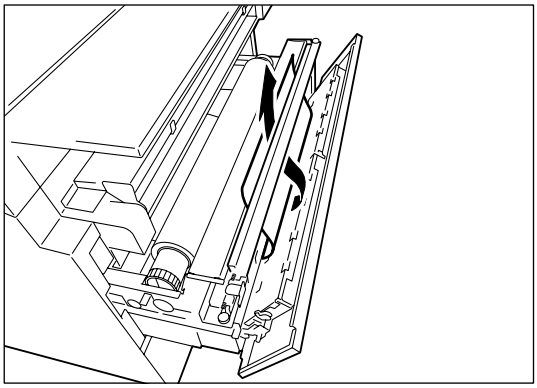
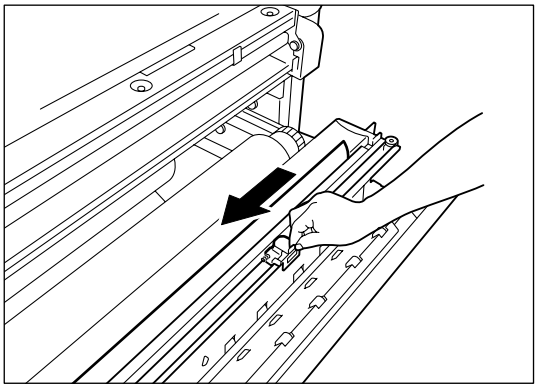


3 Rotate the knob until the media's lead edge protrudes from the tray outlet.

4 Pull the lever to open the tray cover.

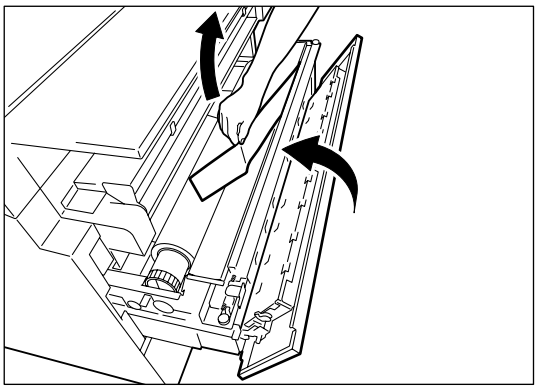


5 Rotate the knob until the paper passes through the tray outlet.



6 Grasping the cutter by the handle, slide the cutter to the opposite side of the tray to cut the paper.

CAUTION: Use the cutter handle to prevent personal injury which may result from sliding your fingers along the sharp, metal cutting bar.



7 Remove the media that was cut off.

8 Close the tray cover.

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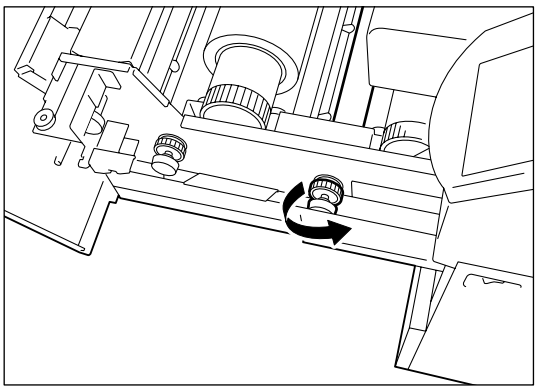
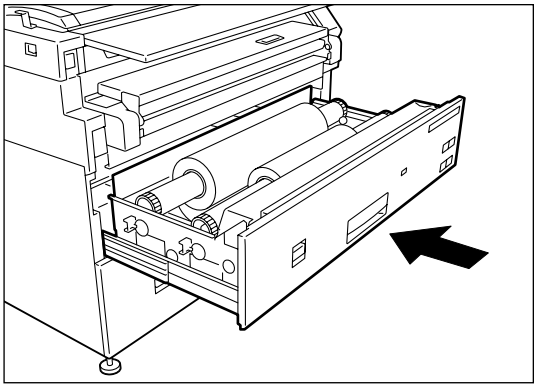


9 Return the media to its original location by rotating the knob until the lead edge can be seen in the window.



10 Close the media tray.

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Chapter 2

Printer Overview

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2.1 Overview of the 6030/6050/6050A Wide Format Printer

This section provides an overview of the 6030/6050/6050A Wide Format printer.

What is the 6030/6050/6050A Wide Format Printer?

The 6030/6050/6050 Wide Format printer processes print jobs that it receives from a client. The 6030/6050/6050A Wide Format printer enables all types of image data to be printed in the supported formats, including standard and non-standard size documents, enlarged and reduced images, and split (fragmented) images. It also allows the user to view the status of print jobs, cancel print jobs, and change print job priority.

Data Formats that can be Processed (6030/6050)

Processing is possible for the following data formats.

- HP-GL formats (HP-GL, HP-GL/2, HP-RTL)
- VERSATEC formats (VRF, VCGL)
- TIFF formats (conforming to TIFF Revision 6.0)
- CALS formats (CALS Type 1)
- PS/PDF formats (PostScript 3.0, PDF Version 1.3)(Optional)

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Data Formats that can be Processed (6050A)

Processing is possible for the following data formats.

- HP-GL formats using HP750C emulation (HP-GL2, HP-RTL)
- TIFF 6.0 (including LZW)
- CALS 1&2
- CalComp 906/907/951/PCI
- FileNET
- NIRS
- CGM
- VCGL
- VRF
- Versatec Data Standards
- Xerox Emulation 150
- C4
- JPEG
- Optional (Adobe® PostScript® 3™, PDF (1.6), DWF, BMP, JPEG 2000, PNG, GIF, DGN)

Communication Interfaces (6030/6050)

The following communication interfaces are supported.

- Ethernet (100Base-TX and 10Base-T)
- RS232C
- Centronics (optional)
- VPI (optional)

Communication Interfaces (6050A)

The following communication interfaces are supported.

- TCP/IP 10/100/1000
- LPR
- TFTP

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Printing Methods (6030/6050)

Documents may be submitted from a client to the 6030/6050 Wide Format Printer using any of the following.

- Ethernet (Direct) Printing

This capability is for UNIX systems. Printing takes place over TCP/IP networks using the ftp and lpr commands.

Refer to *Refer to "Chapter 6 Ethernet Print Service (for UNIX)" for details on available functions.*

- Wide Format Windows Driver

The Microsoft® Windows® signed print drivers (32/64 bit) enable users to print documents from various Windows applications.

Important *Serial output is not supported by the Wide Format Windows Driver.*

Refer to *Refer to the Xerox 6030/6050/6204 Wide Format Windows Driver User Guide for details on available functions.*

- BT-PlotAssistant (Ver. 3.4.0 or later)

BT-PlotAssistant is printer support software that runs on Windows operating systems. Using BT-PlotAssistant's simple user interface, the user can submit documents to the 6030/6050 Wide Format printer.

Refer to *Refer to the Xerox 6030/6050/6204 Wide Format BT Plot Assistant User Guide for details on available functions.*

- PostScript/PDF Driver (PS/PDF)(Optional)

The PostScript/PDF driver provides enhanced printing performance and enables users to print PDF documents. A feature key is required for the Accxes controller to print files using the PostScript driver.

Refer to *Refer to the Xerox 6030/6050/6204 Wide Format PostScript Driver User Guide for details on available functions.*

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Printing Methods (6050A)

Documents may be submitted from a client to the 6050A Wide Format Printer using any of the following.

- Ethernet (Direct) Printing

Printing takes place over TCP/IP networks using lpr protocol or raw sockets.

Refer to *Refer to "Chapter 6 Ethernet Print Service (for UNIX)" for details on available functions.*

- Wide Format Windows Driver / PostScript Driver

The Microsoft® Windows® Signed print drivers (32/64 bit) enable users to print documents from various Windows applications. A feature key is required for the Accxes controller to print Postscript/PDF files.

Important *Serial output is not supported by the Wide Format Windows Driver.*

Refer to *Refer to the Xerox 6030/6050/6204 Wide Format Windows Driver User Guide for details on available functions.*

- Accxes Client Tools (Ver. 12.01.41)

Accxes Client Tools is printer support software that runs on Windows® and Sun Solaris operating systems. Using the Accxes Client Tools simple user interface, the user can submit documents to the 6050A Wide Format printer.

Refer to *Refer to the Xerox 6050A Accxes Client Tools User Guide for details on available functions.*

- Instant Accxes (Ver. 12.5)

Provides pubicly shared "Instant Folders" (networked folders) to which print options are applied automatically allowing for the automation of document printing. Instant Folders show up within your Microsoft® Windows® "Network Neighborhood" once InstantAccxes is configured and enabled. InstantAccxes is officially supported on Microsoft® Windows® and Apple® Mac OS X.

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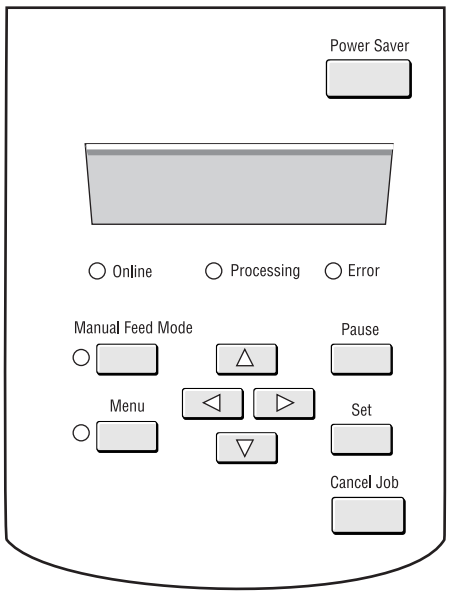
Print Service Operations

The printer control panel and Print Services on Web are the two main features that enable users to set up and perform print service operations.

Printer Control Panel

The printer control panel can be used to perform a variety of tasks, among them:

- media setup for roll media and the MSI (Multi Sheet Inserter/Manual Feed Tray)
- communication (port) setup
- system parameter setup
- printing of test patterns to verify printer operation
- job log and error log management
- reprinting of the most recent print job (6030/6050 only)
- displaying billing meter information



Refer to *Refer to "2.2 Printer Control Panel Usage" for more details on the printer control panel and its usage.*

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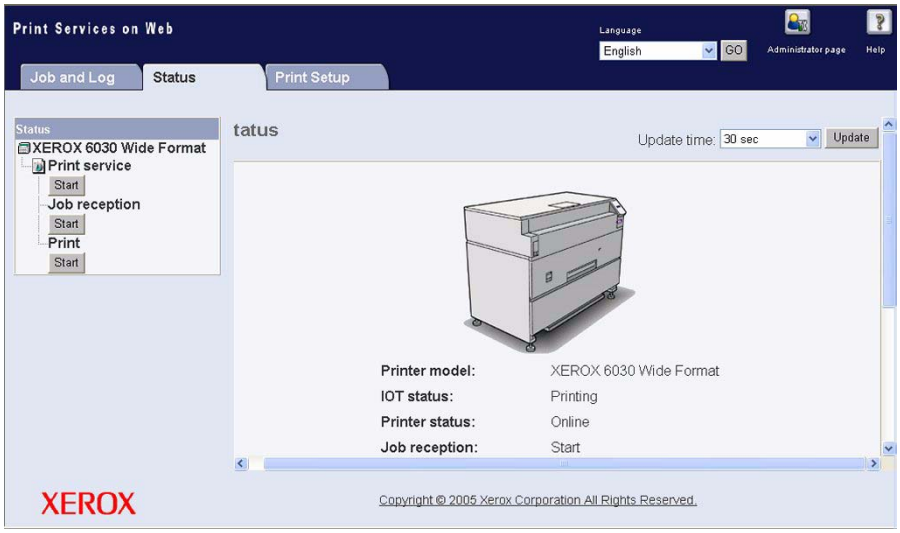
Print Services on Web (6030/6050 only)

Print Services on Web is web server software which is pre-installed in the 6030/6050 Wide Format. Print Services on Web provides a user-friendly way to perform printer setup, communication (port) setup, log management, and other procedures via a web browser.

Print Services on Web also enables the user to perform operations which can not be performed from the printer control panel, for example, displaying job lists, changing job priority, and starting and stopping the server.



Refer to *Refer to "2.3 Print Services on Web (6030/6050)" for further details on Print Services on Web and its operation.*

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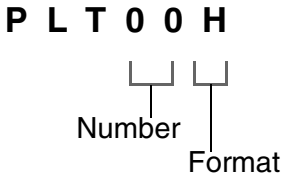
Main Printing Functions

This section describes the main printing functions which are available with the 6030/6050 Wide Format Printer and Copier/Printer.

Logical Printers (6030/6050 only)

A logical (virtual) printer is a group of saved print job settings for a particular data format, i.e., HP-GL, Versatec, TIFF, CALS, and PS/PDF. These saved settings, which are created using Print Services on Web, may include pen attributes, media type, print quantity, and the other parameters that define the print job that the logical printer will be required to perform. Logical printers are to printing as Stored Jobs are to copying, that is, both reduce setup time and increase efficiency by using previously saved settings. A maximum of one hundred logical printers can be set up within one 6030/6050 Wide Format Printer or Copier/Printer for each supported data format.

Logical printer names are assigned based on the following. It is not possible to change these names.



1st to 3rd digits	[PLT] or [plt] character strings
4th to 5th digits (number)	Two-digit number from 00 to 99
6th digit (format)	Any of the following.
	H: HP-GL format
	V: Versatec format
	T: TIFF format
	C: CALS format
	A: PS/PDF format (optional)

The sixth digit can be omitted when Ethernet multi-data format functions are in use. When this digit is omitted, the relevant software to be started will be selected according to the extension log of the transmitted data file.
If a logical printer is selected that has a different sixth digit than the format of the print file, the file may be forwarded to a logical printer that has the same extension as the transmitted file.

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Refer to
- *Refer to "3.8 System Parameter Setup (Print Services on Web, 6030/6050)" for details on setting up the logical printer extensions.*
- *Refer to "4.1 Creating a New Logical Printer" for help in setting up logical printers.*

Document Size Input

The following two methods are available for judging the size of the input document:

- Automatic — Calculates the coordinates of the input document and automatically selects the closest size.
- Size Specification — Enables the user to manually select the media size of the input image. The media size can be selected from standard sizes and user-defined sizes.

The Automatic setting is used under normal circumstances. Specify the size manually if restrictions are to be placed on the input coordinates. When the size is specified, all areas that exceed that size will be cut off.

Refer to *Refer to the "Input Option" section of "4.3 Logical Printer Print Settings" for details on available functions.*

Media Size Output

The following two methods for judging the size of the output media are available:

- Automatic — When Automatic is selected, the print size is enlarged or reduced automatically based on a size mapping table (explained later). Also, the size of the media that is selected is determined based on a media mapping table, or by automatic mapping (explained later).
- Size Specification — When Size Specification is selected, the output media size is specified manually. If the specified media size is different from the input document size, the document will be enlarged or reduced to match the size of the paper.

"Automatic" is used under normal circumstances. Specify the media size manually if all output is to be printed on a single media size.

Refer to *Refer to "4.3 Logical Printer Print Settings" for details on available functions.*

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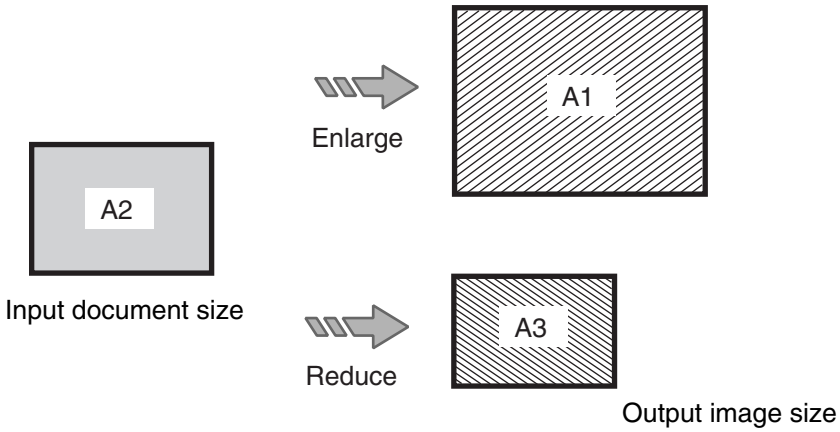
Size Mapping

Size mapping is the process of setting up a table that establishes relationships between input document sizes and output image sizes. When size mapping is finished (must be done prior to printing), documents can be enlarged or reduced automatically based on the table entries.

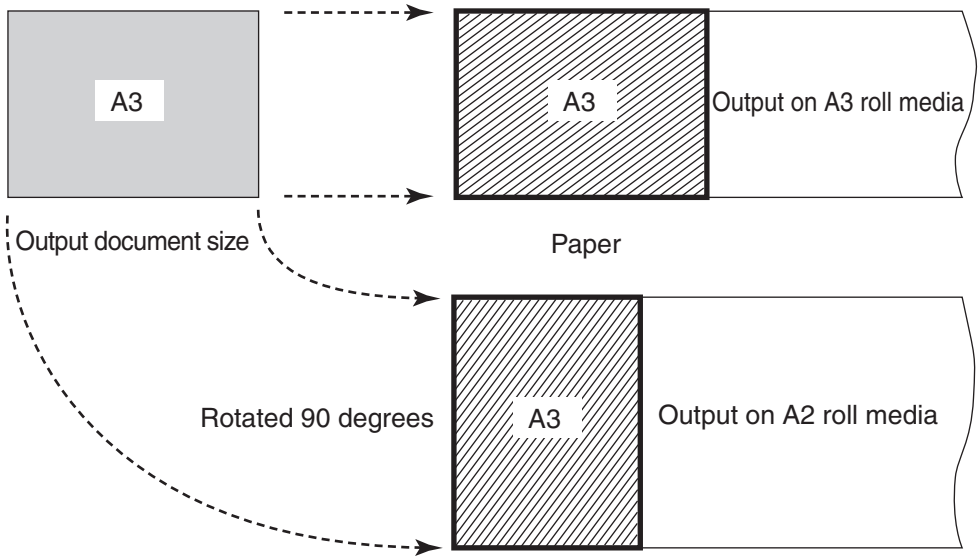


Refer to *Refer to " Size/Media Mapping" in "4.3 Logical Printer Print Settings" for more details.*

Media Mapping/Automatic Mapping

Media mapping is the process of setting up a table that establishes relationships between output image sizes and media sizes. This process, like size mapping, must be performed prior to printing. Once the media mapping table is finished, the media size is determined by the entries in the media mapping table.
When Automatic Mapping is selected, the output media size that matches the output image size will be selected.

Note *Check media mapping to be sure the media size selected matches the media loaded in the printer. Refer to "4.3 Logical Printer Print Settings" for more details.*



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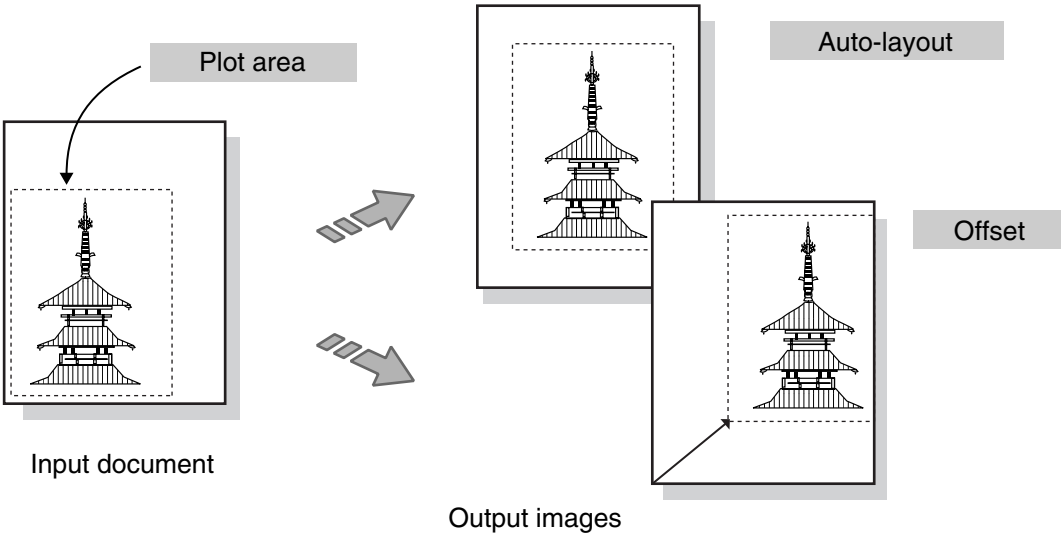
Plot Area, Auto-Layout, and Offset

It is possible to print a specified area of an input document. The specified area can be printed in the center of the media or moved to another position (auto-layout, offset).

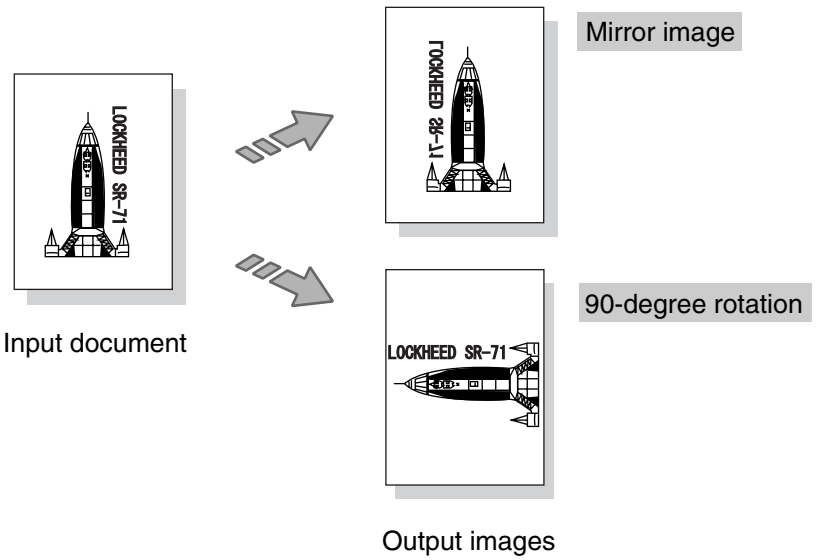
Refer to *Refer to the "Plot Area" section of "4.3 Logical Printer Print Settings" for details on available functions.*



Mirror Image, 90-Degree Rotation

These functions perform mirroring (Mirror Image) or 90-degree rotation processing on the output image.

Refer to *Refer to the "Transform" section of "4.3 Logical Printer Print Settings" for details on available functions.*



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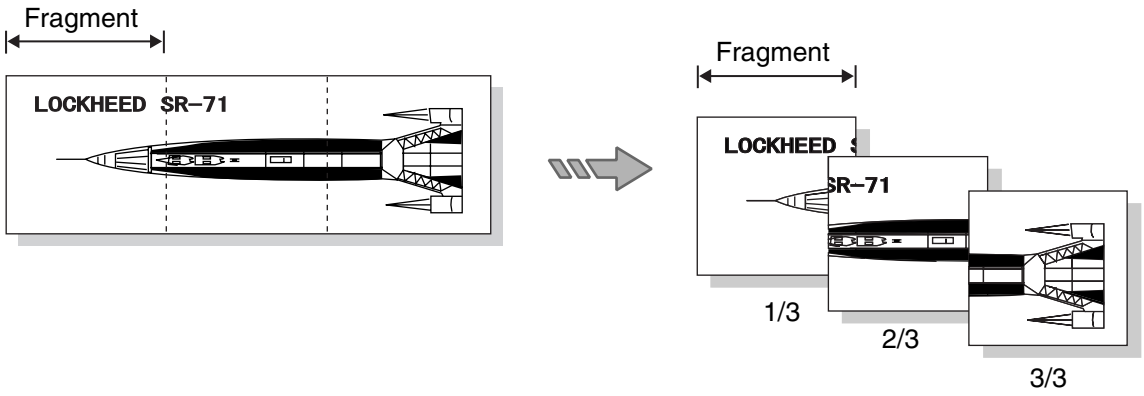
Split Drawing (Image Fragmentation)

Long images (those that exceed 1,189 mm in length) may be split into several parts and printed. Positioning marks can be added to the split prints for positioning purposes.

Refer to *Refer to "Split Drawing" in "4.3 Logical Printer Print Settings" for more details.*



Printing the Output Time

The date and time a document is printed can be added to the edge of the document.

Refer to *Refer to the "Message Option" section of "4.3 Logical Printer Print Settings" for details on available functions.*

Log Management

It is possible to print out a log of completed print jobs, an error log, and other information.

Refer to *Refer to " Manage the Job and Error Logs" for details on printer control panel operations.*

Reprinting

The most recently printed document can be reprinted. The print quantity also can be specified.

Note *Reprinting is not possible with the Xerox 6030 WF or Xerox 6050 WF if a copy job is performed after the print operation.*

Refer to *Refer to "5.6 Reprinting (6030/6050 only)" for details on available functions.*

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Canceling Jobs

Jobs transmitted to the 6030/6050/6050A Wide Format can be deleted by pressing the <Cancel Job> key on the printer control panel. It is also possible to cancel jobs from Print Services on Web.

Refer to *Refer to "2.2 Printer Control Panel Usage" for details on the <Cancel Job> key, and "4.5 Print Services on Web: Job and Log" for details on Print Service on Web operations.*

Meter Display

The billing meters can be checked from both Print Services on Web (6030/6050 only) and the printer control panel.

Refer to *Refer to "4.6 Print Services on Web: Status" for details on web operations, and "5.7 Billing Meter Confirmation (6030/6050)" for the 6030/6050 and "5.8 Billing Meter Confirmation (6050A)" for the 6050A for details on printer control panel operations.*

Job Recovery

This machine is equipped with a recovery function for media jams and when media runs out.

- Media Jams

Documents that failed to print because of a media jam will print when the jam is cleared.

- No Media

Printing of a print job that is stored in memory will restart when the media is loaded in the printer.

The printer also can be set up to print (or not print) jobs that remained in the print queue when the printer was switched off.

Refer to *Refer to "3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050)" for the 6030/6050 and "3.3 Communication Parameter Setup (Printer Control Panel, 6050A)" for the 6050A, and also to the topic "Setting Up [Job Recovery]" in "3.8 System Parameter Setup (Print Services on Web, 6030/6050)" for details on job processing after the power is switched on.*

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2.2 Printer Control Panel Usage

This section describes the names and functions of the printer control panel components.

[Processing] lamp (green)
Indicates the printing status.
ON Printing in process
Blinking Receiving print data
OFF Not printing

<Power Saver> button
Activates the energy-saving mode.
Also cancels the energy-saving mode.
ON Energy-saving mode activated.
OFF Energy-saving mode deactivated.

Printer display
Used for setting up the various functions. Displays various messages.

[Error] lamp (red)
Indicates a printing error.
ON Indicates that an error, such as paper jamming, has occurred.
OFF Printer operating normally.

[Online] lamp (green)
Indicates the data processing status.
ON Ready to print.
Blinking Moving to the offline mode.
OFF The offline mode. Printing is not possible.

<Pause> button
Temporarily suspends a job during printing.

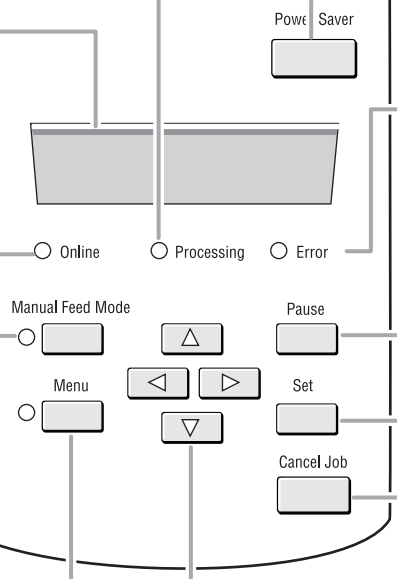
<Set> button
Sets the values specified on the menu screen.

<Manual Feed Mode> button
Currently not supported.

<Cancel Job> button
Cancels a job during printing.

<Menu> button
Alternates between the online mode and offline mode.

<▼> <▲> <◀> <▶> buttons
Displays the items and specified values on the menu screen.



Note *Press the < ◀ > and < ▶> keys simultaneously to reset the printer when an error code is displayed.*

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Basic Printer Control Panel Operations

The printer must be in the offline mode before settings can be changed. Pressing the <Menu> key switches the printer to the offline mode and displays the menu screen.

Button Functions

The following buttons are used to navigate the menu screen.

<Menu> key	Switches the printer to the offline mode and displays the menu screen. The printer returns to the online mode when this button is pressed again.
<▲> key	Displays the previous menu item or value on the same menu level.
<▼> key	Displays the next menu item or value on the same menu level.
<▶> key	Displays the lower level menu item.
<◀ > key	Displays the higher level menu item.
<Set> key	Accepts the value selected by the user. An asterisk [*] displays on the right side of the value once it is selected by pressing the <Set> key.

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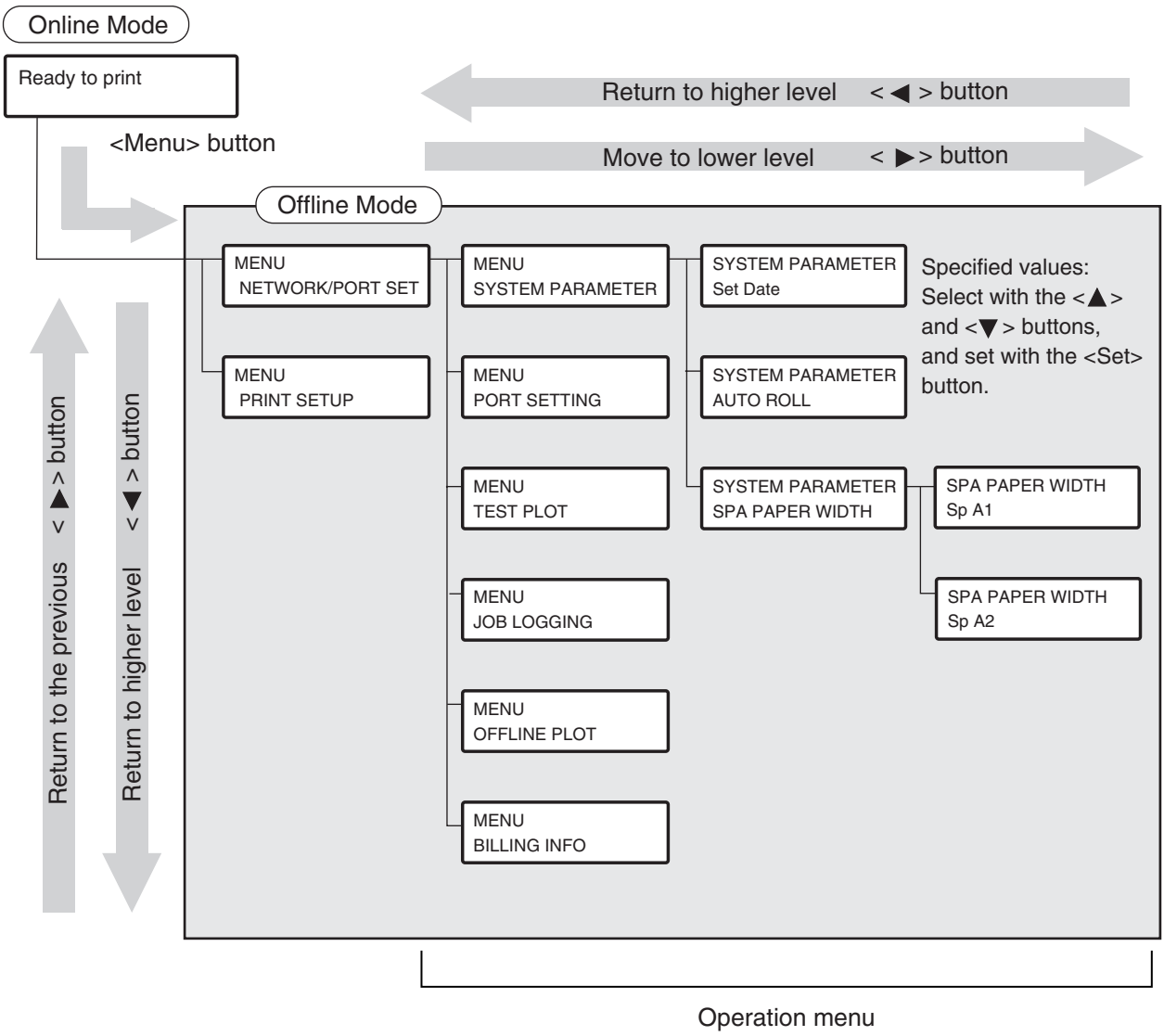
Overview of the Operation Menu

The printer control panel's operation menu is depicted in the image below. Descriptions of the sub-menus follow.



SYSTEM PARAMETER MENU

Sets up the system management information, such as the system date and power save mode settings.

Refer to *Refer to "3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050)" for the 6030/6050 and "3.3 Communication Parameter Setup (Printer Control Panel, 6050A)" for the 6050A for setup procedures.*

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PORT SETTING MENU

Sets up the communication parameters that are required for connecting to the host.

Refer to *Refer to "3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050)" for the 6030/6050 and "3.3 Communication Parameter Setup (Printer Control Panel, 6050A)" for the 6050A for set up procedures.*

TEST PLOT MENU

Prints test patterns to help verify printer operation.

Refer to *Refer to "5.4 Test Printing (6030/6050 only)" for logical printer details and operations.*

JOB LOGGING MENU

Prints job and error logs.

Refer to *Refer to "5.5 Managing the Job and Error Logs (6030/6050 only)" for logical printer details and operations.*

OFFLINE PLOT MENU

Reprints the most recently printed job.

Refer to *Refer to "5.6 Reprinting (6030/6050 only)" for logical printer details and operations.*

BILLING INFO MENU

Displays the amount of roll media that has been used for both copy and print jobs in linear and square feet and meters.

Refer to *Refer to "5.7 Billing Meter Confirmation (6030/6050)" for the 6030/6050 and "5.8 Billing Meter Confirmation (6050A)" for the 6050A for logical printer details and operations.*

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Operation Examples

This section provides examples of how to select menu items.

<Menu> key

```
MENU
 NETWORK/PORT SET
```

1 Press the <Menu> key.
The machine will enter the offline mode.

< ▶> key

```
MENU
SYSTEM  PARAMETER
```

2 Press the < ▶ > key.
The top selection in the [NETWORK/PORT SET] menu will display.

<▼> key

```
MENU
 PORT  SETTING
```

3 Press the <▼> key.
The menu items will display in order.

Note *The previous menu will display if the <▲> key is pressed.*

< ▶> key

```
PORT  SETTING
 TCP/IP
```

4 Press the < ▶ > key.
The sub-menu items will display.

<▼><▲> key

```
PORT  SETTING
 SERIAL
```

5 Press the <▼> key.
The menu items on the same level will display in order.

< ▶> key

```
SERIAL
 Handshake
```

6 Press the < ▶ > key.
The menu items on the next level will display.

< ◀ > key

```
PORT  SETTING
 SERIAL
```

7 Press the < ◀ > key to return to the higher level.

< ◀ > key

```
MENU
 PORT  SETTING
```

8 Press the <◀ > key to return to an even higher level.

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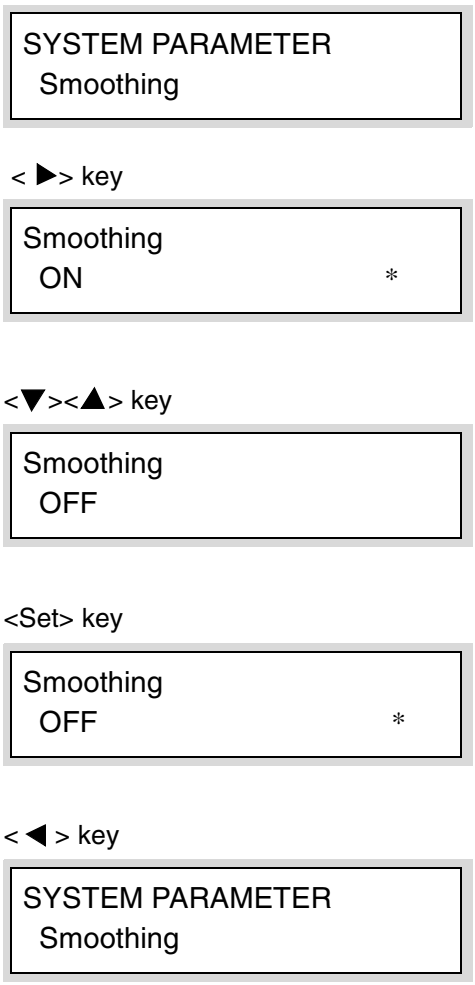
Setting Up a Value

This section provides an example of setting up a value.



1 Select the menu item that you want to set up so that it displays on the screen.

2 Press the < ▶ > key.
The current value will display.

Note *An asterisk [*] is displayed beside the current value.*

3 Use the <▲> and <▼> keys to change the setting.

Note *The asterisk [*] will be removed when the setting is changed.*

4 Press the <Set> key to specify and confirm the new value.
The asterisk [*] will display beside the new value.

5 Press the <◀ > key to return to the next higher menu level.

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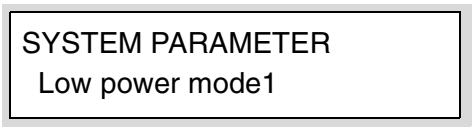
Entering Numbers and Characters

This section provides examples of how to enter numbers and characters.



1 Select the menu item that you want to set up.

< ▶> key

2 Press the < ▶ > key.
The current setting for the selected item will display.

<▼><▲> key

3 Set up the first number using the <▲> and <▼> keys. The value will increase or decrease sequentially between 0 and 9.

Note *In the example on the left, press the <▲> key to display [2].*

< ▶> key

4 Press the < ▶ > key.
The cursor will move to the second number.

Note *Press the < ◀ > key to return to the previous number.*

<▼><▲> key

5 Set up the second number using the <▲> and <▼> keys.

<Set> key

6 Set up all other numbers in the same way. Press the <Set> key after all numbers are set up.
The [*] mark will display beside the new value.

< ▶> key

7 Press the < ◀ > key to move the cursor to the first number.

< ◀ > key

8 Press the < ◀ > key to return to the higher level menu.

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2.3 Print Services on Web (6030/6050)

Print Services on Web is web server software which is pre-installed in the 6030/6050 Wide Format. Print Services on Web enables the user to perform the following procedures from a workstation using a web browser.

- Set up communication parameters
- Set up logical printers (print setup)
- Display the machine status
- Manage print jobs
- Manage job and error logs
- Set up system parameters
- Print test patterns

Operating Environment

Print Services on Web operates in the following environment.

Operating Systems	Microsoft® Windows®2000
	Microsoft® Windows®XP
	Microsoft® Windows® Server 2003
Browsers	Microsoft® Internet Explorer 6.x or later

Important *Enable the java script setting when using Print Services on Web. Also, set the browser at [Don't use proxy server].*

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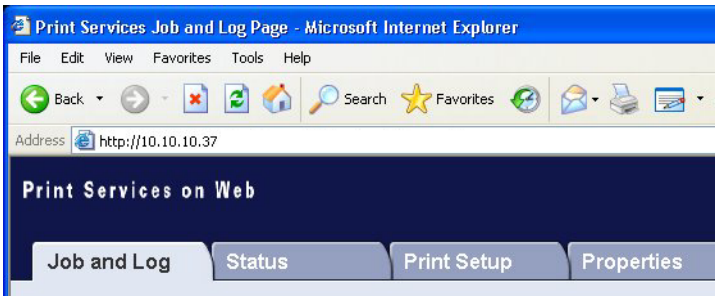
Starting and Exiting Print Services on Web

This section explains how to start and exit Print Services on Web.

Start Print Services on Web

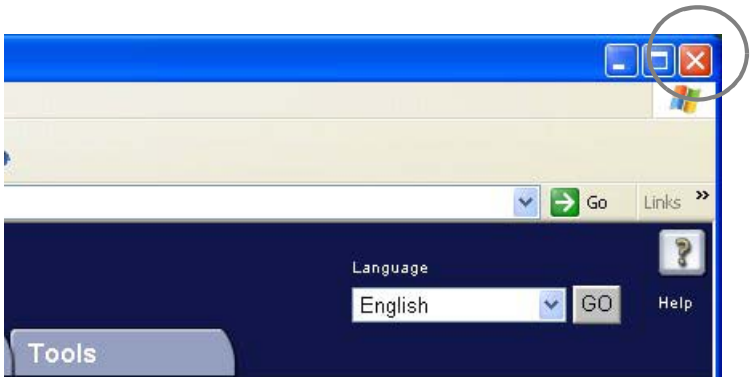
1 Start the browser.

2 Enter the URL for the 6030/6050 Wide Format (http://Home name or IP address) in the browser's address field, and then press the <Enter> key.



Exit Print Services on Web

1 To exit Print Services on Web, either click the [¥] button located at the top right corner of the browser, or select [File] > [Exit].



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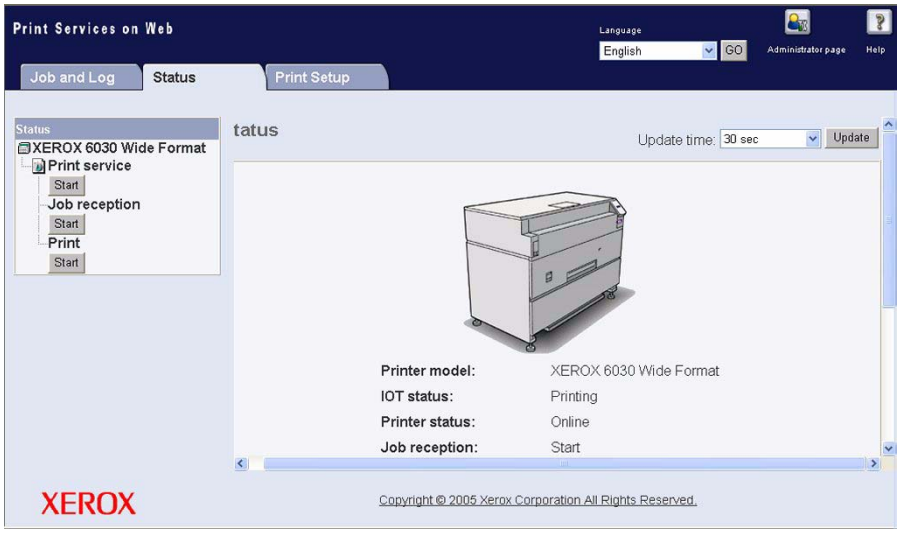
Print Services on Web Organization

This section explains the various pages contained within Print Services on Web.

User Page

This is the first page displayed when connecting with the Print Services on Web.



The user page allows users to do the following.

[Job and Log] tab	Check the status of a print job. View and print a job log.
[Status tab]	Check the status of the Printer or Copier/Printer. Start a print job.
[Print Setup] tab	View the logical printer settings.

Administrator Page

The administrator page (see next page) displays after the user selects the [Administrator page] button on the user page, and then enters the user name and password in the logon dialog box.

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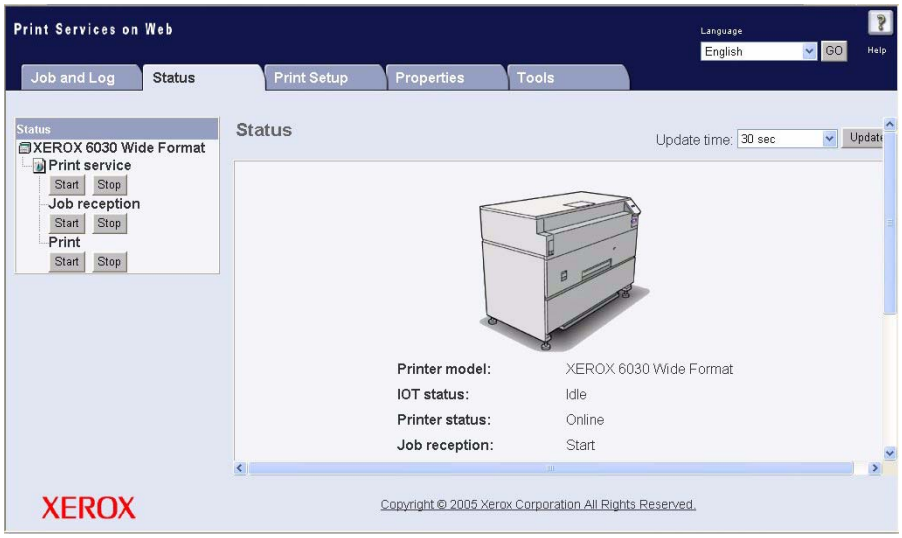

The administrator page permits the following.

[Job and Log] tab	• Check the status of jobs in the print queue. • View and print the job log and the error log. • Cancel a print job. • Change the priority of a print job.
[Status tab]	• Check the status of the Printer or Copier/Printer. • Stop and start print services (job reception and printing). • Stop and start job reception from client computers. • Stop and resume print jobs.
[Print Setup] tab	• Set up new logical printers for each of the supported data formats (HP-GL, TIFF, CALS, VERSATEC, PS/PDF). • Edit the settings of existing logical printers.
[Properties] tab	• View and change the machine configuration. • View and change communications configurations. • Manage ftp users.
[Tools] tab	• Print a test pattern to verify machine (printer) operation. • Print a Diagnostic Report.

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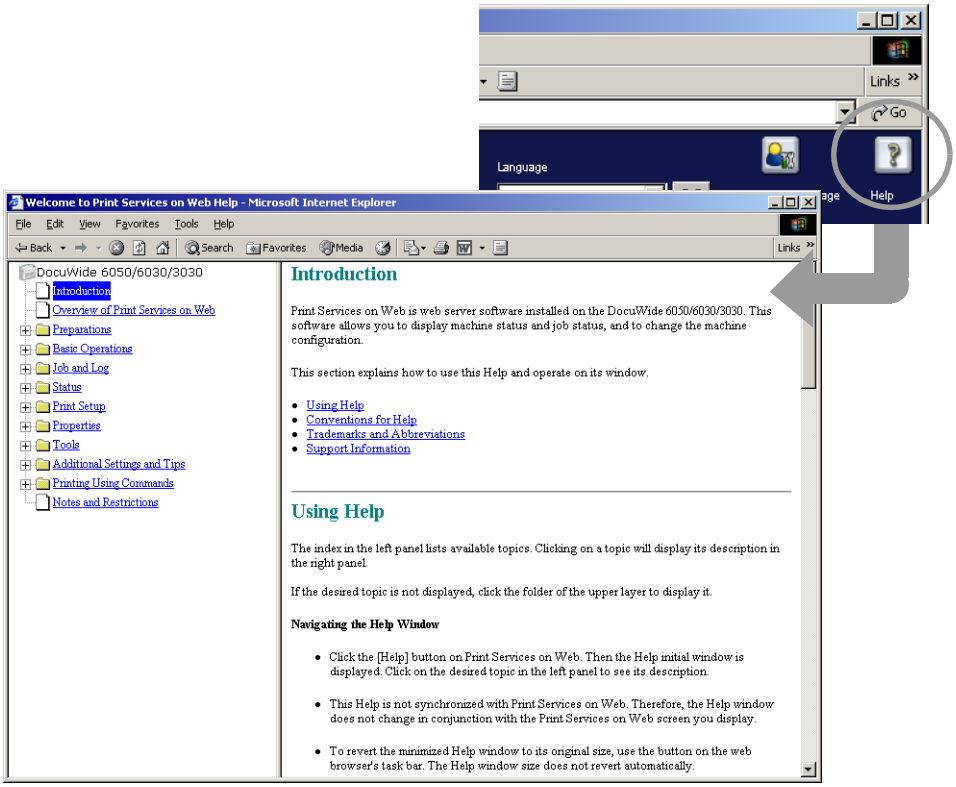
Online Help

Click the Help [**?**] button displayed at the top, right corner of the window to display the online help. The online help enables you to answer many questions related to using Print Services on Web.


Links
Go
Language
Help
Welcome to Print Services on Web Help - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media Links
DocuWide 6050/6030/3030
Introduction
Overview of Print Services on Web
Preparations
Basic Operations
Job and Log
Status
Print Setup
Properties
Tools
Additional Settings and Tips
Printing Using Commands
Notes and Restrictions
Introduction
Print Services on Web is web server software installed on the DocuWide 6050/6030/3030. This software allows you to display machine status and job status, and to change the machine configuration.
This section explains how to use this Help and operate on its window.
Using Help
Conventions for Help
Trademarks and Abbreviations
Support Information
Using Help
The index in the left panel lists available topics. Clicking on a topic will display its description in the right panel.
If the desired topic is not displayed, click the folder of the upper layer to display it.
Navigating the Help Window
Click the [Help] button on Print Services on Web. Then the Help initial window is displayed. Click on the desired topic in the left panel to see its description.
This Help is not synchronized with Print Services on Web. Therefore, the Help window does not change in conjunction with the Print Services on Web screen you display.
To revert the minimized Help window to its original size, use the button on the web browser's task bar. The Help window size does not revert automatically.

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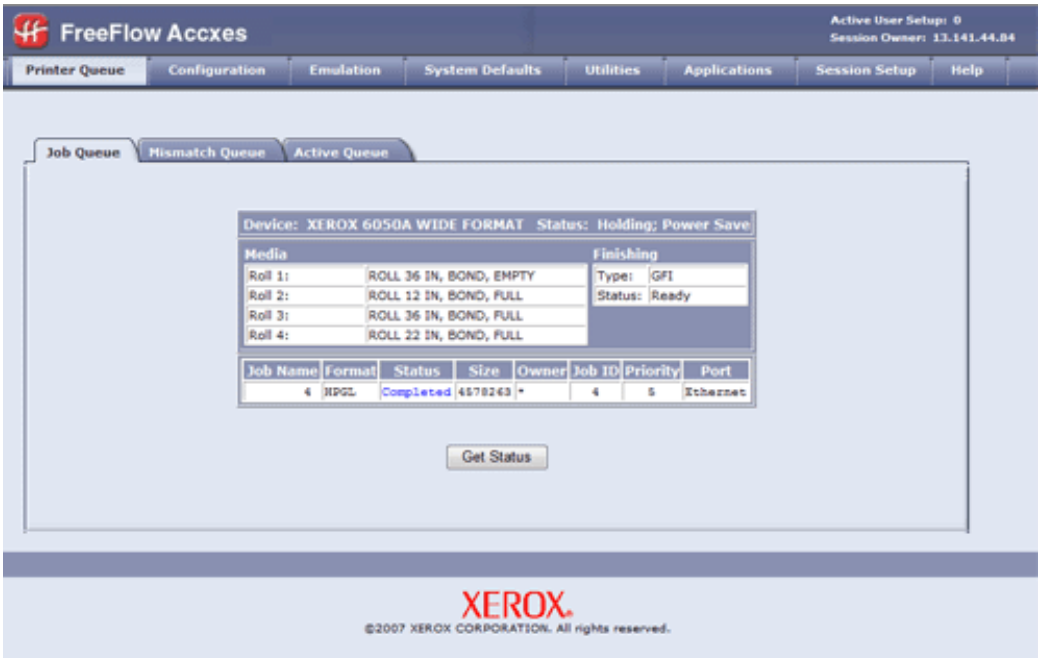
2.4 FreeFlow Accxes Web Print Management Tool (6050A)

The Freeflow Accxes Web Print Managment Tool (Web Printer Management Tool) is a web-based utility that resides on the controller as a web server. It has the look and feel of a web page even though you are not on the World Wide Web. There are multiple versions of Web Printer Management Tool that are supported on FreeFlow Accxes controllers.



The address window uses the URL address, which is the IP Address of the controller you want to access. A customer's workstation, connected to a network, has access to any controller connected to the same network. It can be used to monitor jobs and/or administer the printer's parameters or configuration.

The performance of the Web Print Management Tool, in terms of user wait time, is determined primarily by:

- Network bandwidth and speed
- Amount of data being transmitted to or from the printer’s Controller
- Network traffic

The Web Printer Management Tool provides the following services to users of Xerox Wide Format Printers.

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- View printer status (including media inventory) and the print queue
- View the printer defaults
- View the Job Accounting mode for remote print jobs
- Generate test prints showing configuration data (such as the Controller's TCP/IP address)

System Administrators with the Password

- Change the priority of, or delete any job in, the print queue
- Set up all printer defaults
- Load stamps
- Specify the Job Accounting mode for remote print jobs
- Upload controller and printer firmware updates
- Upload Feature Keys to the Controller
- Enable or disable the media mismatch queue
- Any remaining functionality

Web Print Managment Tool Requirements

To use the Web Print Managment Tool with firmware version 12.0 or greater, you must have the following software and hardware:

- Desktop/laptop computer with Netscape Navigator 8.0 (or newer), Microsoft Internet Explorer 6.0 (or newer), Mozilla 1.7.5 (or newer), or Mozilla FireFox 1.5 (or newer) installed. Screen resolution required is 800x600 (or higher).
- A network connection based on the TCP/IP protocol

Web Printer Management Tool Security

Any user can view the Web Print Management Tool pages to monitor and manage their jobs. However, the System Administrator password (SA) is required to make any changes to printer defaults and configurations. The SA needs to change the default password, which is "0", to prevent users from making changes.

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Using Web Print Management Tool Main Menu

The Main Menu contains six selections in hypertext form allowing you to jump to other web pages.

Printer Queue	Configuration	Emulations	System Defaults	Utilities	Help

Printer Queue

This selection contains 3 tabs for viewing the Job Queue, Mismatched Job Queue and the Active Job Queue. Each Queue lists the Jobs Queued inside the Controller. The lists contain information about all submitted print jobs from all sources currently queued in the Controller's internal spool queue. The Job Queue will be clear when the controller is restarted.

Configuration

This selection reveals seven tabs for configuring a variety of things including Scanner destinations, Accounting modes, Network settings, feature enablement and Date and Time.

Emulation

This selection contains multiple tabs for setting the properties of certain file emulations and pen/plotter properties.

System Defaults

This selection contains multiple tabs for setting default properties such as margins, media characteristics, scaling and rotation, brightness and contrast, and finishing options to name a few.

Utilities

This selection allows the user to upload files, print test pages, change a password, and restart or shut down the controller.

Help

This selection contains directions, explanations and links to main topics as well as an index.

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Chapter 3

Printer Setup

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3.1 Communication Parameters

The 6030/6050/6050A Wide Format Printer and Copier/Printer must be connected to a host PC before printing can be performed. Once the Printer or Copier/Printer is connected to the network, the communication parameters must be set up. The communication parameters can be set up from the printer control panel or from Print Services on Web (6030/6050). This section explains how to use both methods to perform the setup procedures. Explained, too, is the procedure for printing a list of the communication parameters.

Communication Parameters Definitions

Communication parameters may be defined for the following.
(*6030/6050 Only)

- TCP/IP
- *Serial
- *Centronics (optional)
- *VPI (optional)
- *SNMP

Important *SNMP can only be set up from Print Services on Web.*

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TCP/IP

Important *The communication parameter nomenclature on the printer control panel will sometimes differ from the nomenclature on Print Services on Web (6030/6050) or Web Printer Management Tool (6050A). The Print Service on Web and Web Printer Management Tool nomenclature appears in **bold** type in the table below.*

The following TCP/IP communication parameters must be set up for the 6030/6050.

Menu Item	Description
Default Parser	Selects the parser or data format interpreter that will be used when the input data format has not been specified from among the available selections, that is, [HPGL], [VERSATEC], [TIFF], [CALS], or [PS/PDF]. The default setting is [HPGL].
Ethernet Setting (**Physical Layer**)	Selects the ethernet setting/physical layer. The default setting is [AUTO]. [AUTO] Automatic recognition [10BASE_T] Fixed at 10BASE_T [100BASE_T] Fixed at 100BASE_T
IP Address	The IP address of the machine in the format XXX.XXX.XXX.XXX. The IP address can be changed, if necessary.
MASK Value (**Net mask**)	The sub-net mask set up on the machine in the format XXX.XXX.XXX.XXX. The subnet mask can be changed, if necessary.
E-Net Address (**Ethernet address**)	Displays the Ethernet address. The value displayed is unique for the hardware and cannot be changed.
FTP	Determines whether or not to enable FTP. The default setting is [Enable].
Dynamic Routing	Determines if dynamic routing will be enabled. The default setting is [ON].
Static Routing*	Determines if static routing will be enabled. The default setting is [OFF]. Set Static Routing to [ON] when you need to view the device through a gateway or router.

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*The ROUTING TABLE can be edited if [Static Routing] is set to [Enable].

Note *A maximum of 512 items can be saved in the routing table. The [Registration Not Possible] screen will display if the number of items exceeds 512.*

Menu Item	Description
ROUTING TABLE	Select [ADD] to enter additional routing information.
Dest. Address	Sets the network address for the destination. Enter in the XXX.XXX.XXX.XXX format. Typically not needed.
Router Address	Sets the router address for the local machine or subnet. Enter in the XXX.XXX.XXX.XXX format.

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The following TCP/IP communication parameters can be set up for the 6050A using using the printer control panel on the device itself or using the Web Printer Management Tool.

Menu Item	Description
Ethernet Setting	Selects the ethernet setting/speed duplex layer. The default setting is [AUTO]. The 6050A is capable of gigabit (1000mbps full duplex) connections, however this is only possible when in [AUTO] mode and when using a CAT6 ethernet cable. [AUTO] Automatic recognition [10mbps] Half-duplex/Full-duplex [100mbps] Half-duplex-Full duplex
IP Address	The IP address of the machine in the format XXX.XXX.XXX.XXX. The IP address can be changed, if necessary.
MASK Value	The sub-net mask set up on the machine in the format XXX.XXX.XXX.XXX. The subnet mask can be changed, if necessary.
Gateway	The gateway set up on the machine in the format XXX.XXX.XXX.XXX. The gateway can be changed, if necessary.
*E-Net Address	Displays the Ethernet address. The value displayed is unique for the hardware and cannot be changed.
DHCP	Dynamic Host Configuration Protocol automatically gives the 6050A an IP address at startup, providing there is a DHCP server already on the network.
RARP/BOOTP (UNIX)	Reverse Address Resolution Protocol (RARP) is used to manually obtain an IP address for the 6050A, providing there is a RARP server already on the network. Bootstrap Protocol (BOOTP) is used to automatically obtain an IP address for the 6050A, providing there is a BOOTP server already on the network.

Import *Features marked * cannot be changed.*

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Serial (6030/6050 Only)

The serial communication parameters are listed below.

Important *The communication parameter nomenclature on the printer control panel will sometimes differ from the nomenclature on Print Services on Web. The Print Service on Web nomenclature appears in **bold** type in the table below.*

Menu Item	Description
Default Parser	The default setting is [HP-GL].
Logical printer number	Sets up a logical printer number to be use if a logical printer is not defined in the print job.
Handshake	Selects the handshake method from the following choices. The default setting is [XON/XOFF]. [XON/XOFF] Handshake using the XON/XOFF protocol. [HARDWARE] Handshake using the hardware. [ENQ-ACK] Handshake using the ENQ-ACK protocol (HP-GL only). [SOFTWARE] Handshake using the application program (HP-GL only).
Baud Rate	Sets the communication speed to [300], [1200], [2400], [4800], [9600], or [19200]. The default setting is [9600].
Parity	Sets the parity bit to [NONE], [EVEN], or [ODD]. The default setting is [EVEN].
Data Bit	Sets the data bit length to [7_BITS] or [8_BITS]. The default setting is [7_BIT].
Stop Bit	Sets the stop bit length to [1_BIT] or [2_BIT]. The default setting is [1_BIT].
EOP Timeout	Determines whether or not to enable EOP timeout. The default setting is [ON] or [Enable].
Timeout Value	Sets up the EOP timeout value within a range of 1 to 255 seconds. If a value greater than 255 is entered, the timeout value will be set to 255. The default setting is [10].
Output Response	Enables [YES] or disables [NO] the output response. This must be set to [YES] if the printer requires a response when data is transmitted from the host to the printer. The default setting is [NO].

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Menu Item	Description
Job Separation (**Page limit**)	Sets up the job separation option. The default setting is [NO]. [YES] Starts data conversion once the command that recognizes the end of the data is received, even if it occurs midway through the file. [NO] Spools data on the hard disk until the timeout is issued.

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Centronics (optional, 6030/6050 Only)

The Centronics communication parameters are presented below.

Menu Item	Description
Ack Mode	The Ack mode is selected from [MODE0], [MODE1], [MODE2], [MODE3], and [MODE7]. The default setting is [MODE0].
DMA Timeout	The timeout value for data input is entered within a range of 1 to 255 seconds. The default setting is [5 sec].
EOP Timeout	Determines if the EOP Timeout will be enabled [TIMEOUT] or disabled [NO_TIMEOUT]. If set to [TIMEOUT], a Timeout Value must be entered. The timeout value is entered within a range of 0 to 99 seconds. The default setting is [10 sec].
Job Separation	Sets the job separation. The default setting is [NO]. [YES] Starts conversion processing once the command that recognizes the end of the data is received, even if this occurs midway through the file. [NO] Performs the spooling process on the hard disk until a timeout is issued.

Note

- *If a value higher than [255] is entered for the DMA Timeout value, [255] will be set as the value.*
- *Changes to the [Ack Mode] and [DMA Timeout] values will have no effect on operations.*

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VPI (optional, 6030/6050 Only)

The following VPI communication parameters must be set up.

Menu Item	Description
REPORT OFFLINE	Determines if the host will be notified offline of the media running out. The default setting is [NO]. [YES] Issues offline notification. [NO] Does not issue offline notification.
EOP Timeout	Determines if the EOP Timeout will be enabled [TIMEOUT] or disabled [NO_TIMEOUT]. If set to [TIMEOUT], a Timeout Value must be entered. The timeout value is entered within a range of 1 to 255* seconds. The default setting is [10 sec].
Job Separation	Sets the job separation. The default setting is [NO]. [YES] Starts conversion processing once the command that recognizes the end of the data is received, even if this occurs midway through the file. [NO] Performs the spooling process on the hard disk until a timeout is issued.

Note **If a value higher than [255] is entered for the timeout value, [255] will be set as the value.*

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SNMP (6030/6050 Only)

The communication parameters listed below must be set up.

Important *SNMP must be set up in Print Services on Web.*

Important *The communication parameter nomenclature on the printer control panel will sometimes differ from the nomenclature on Print Services on Web. The Print Service on Web nomenclature appears in **bold** type in the table below.*

Menu Item	Description
SNMP	Sets whether or not to enable SNMP.
Community String	Sets the community String to be imbedded when the client transmits SNMP packets.
Trap address	Sets the IP address of the destinations (trap transmission destinations) to which notifications are to be sent in the event of an error occurring with the printer. A maximum of 128 trap transmission destinations can be saved.
Transmission Port (**Send port**)	Sets the port numbers of the trap transmission destinations.
Version	Sets the version of the trap to be transmitted.
Permanence (**Persistence**)	Sets whether the trap transmission destination information is to be stored or not after the printer has been switched off. A maximum of eight items can be enabled for permanence.

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3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050)

This section explains the procedures for setting up the communication parameters from the printer control panel.

Important *SNMP must be set up from Print Services on Web.*

Important *The changed parameters become valid after the machine is rebooted.*

Procedure

1 Press the < ▶ > key with [PORT SETTING] displayed.

2 Select the interface that is to be set up with the use of the <▼> and <▲> keys, and then press the < ▶ > key.
[TCP/IP], [SERIAL], [CENTRO], and [VPI] will be displayed, in that order.

Note *[CENTRO] and [VPI] are optional.*

3 Select the parameters with the use of the <▼> and <▲> keys, and then press the <Set> key.
An asterisk [*] will be displayed on the right side of the value once it has been set up.

Note *The changed parameters are saved to the system when the <Set> key is pressed. It is not necessary to save each change individually.*

Refer to *Refer to the previous section for detailed information about each of the communication parameters.*

4 After setting up all of the parameters, switch the printer power off and then on for the changes to take effect.

TCP/IP Setup

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PORT SETTING
TCP/IP

1 Display [TCP/IP] on the selection screen, and then press the < ▶ > key.

TCP/IP
Default Parser

2 Select the item that is to be set up with the use of the <▼> and <▲> keys, and then press the < ▶ > key.
[Ethernet Setting], [Default Parser], [IP Address], [Mask Value], [E-Net Address], [Dynamic Routing], and [Static Routing] will be displayed in that order.

Note
- *Additions can be made to the routing table when [Static Routing] is enabled.*
- *The [E-Net Address] can only be displayed, not changed.*

Default Parser
HPGL *

3 Select the parameters with the use of the <▼> and <▲> keys, and then press the <Set> key.
An asterisk [*] will be displayed on the right side of the parameters once they have been set.

IP Address
100. 000. 000. 000

IP Address
120. 000. 000. 000

IP Address
123. 123. 123. 001 *

Entering addresses

1. Move the cursor to the left and right with the use of the < ◀ > and < ▶ > keys.
2. Select the required value with the use of the <▼> and <▲> keys. The value will increase or decrease sequentially between 0 and 9.
3. Press the <Set> key once all values have been entered.

Note
- *To proceed to the next menu, move the cursor to the right-hand side and press the < ▶ > key.*
- *To return to the previous menu, move the cursor to the left-hand side and press the <◀> key.*

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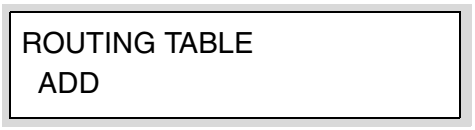
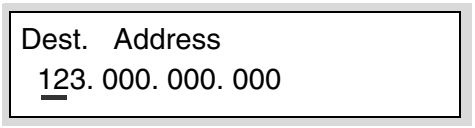
Adding items to the routing table

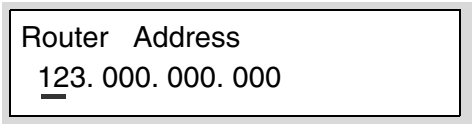
1. Select [ON] for [Static Routing], and then press the <Set> key.
   Now press the < ▶ > key.



2. Select [ADD] for the [ROUTING TABLE], and then press the < ▶ > key.



3. Enter the destination address, and then press the <Set> key.
   After setting up the destination address, move the cursor to the right-hand side and press the < ▶ > key.

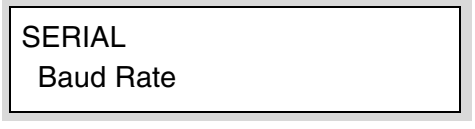


4. Enter the routing address, and then press the <Set> key.

   Note *To return to the previous menu, move the cursor to the left-hand side and press the < ◀ > key.*

Serial Setup

1 Display [SERIAL] on the setup item selection screen, and then press the < ▶ > key.



2 Select the item that is to be set up with the use of the <▼> and <▲> keys, and then press the < ▶ > key.
[Handshake], [Baud Rate], [Parity], [Data Bit], [Stop Bit], [EOP Timeout], [Output Response], and [Job Separation] will be displayed in that order.

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3 Select the parameters with the use of the <▼> and <▲> keys, and then press the <Set> key.
An asterisk [*] will display on the right side of the parameters once they have been set.

Centronics (optional) Setup

1 Display [CENTRO] on the setup item selection screen, and then press the < ▶ > key.

2 Select the item that is to be set up with the use of the <▼> and <▲> keys, and then press the < ▶ > key.
[Ack Mode], [DMA Timeout], [EOP Timeout], and [Job Separation] will display, in that order.

3 Select the parameters with the use of the <▼> and <▲> keys, and then press the <Set> key.
An asterisk [*] will display on the right side of the parameters once they have been set.

VPI (optional) Setup

1 Display [VPI] on the setup item selection screen, and then press the < ▶ > key.

2 Select the item that is to be set up with the use of the <▼> and <▲> keys, and then press the < ▶ > key.
[REPORT OFFLINE], [EOP Timeout], and [Job Separation] will display, in that order.

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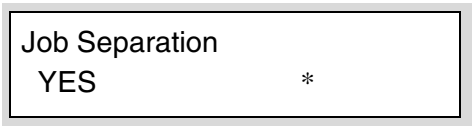

3 Select the parameters with the use of the <▼> and <▲> keys, and then press the <Set> key.
An asterisk [*] will display on the right side of the parameters once they have been set.

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3.3 Communication Parameter Setup (Printer Control Panel, 6050A)

This section explains the procedures for setting up the communication parameters from the printer control panel.

Procedure

1 Press the <Menu> key and press the <▼> button two times to navigate to the [SYSTEM SETTINGS] menu. Then press the <▶> key.

2 [TCP/IP] is the only available interface on the 6050A. Press the <▶> key.

3 Five menu options can now be selected from by pressing the <▼> and <▲> keys. [IP ADDRESS], [IP SUBNET MASK], [IP GATEWAY], [DHCP], and [RARP/BOOTP] in that order.

4 If [IP ADDRESS], [IP SUBNET MASK] and [IP GATEWAY] are selected, their respective IP addresses can be manually set on the printer after pressing the <▶> key.

Refer to • *Refer to the section TCP/IP Setup in "3.2 Communication Parameter Setup (Printer Control Panel, 6030/6050)" for information on how to set the [IP ADDRESS], [IP SUBNET MASK], and [IP GATEWAY] IP addresses..*

5 [DHCP] and [RARP/BOOTP] have the option of either being enabled or disabled. This is done by first pressing the <▶> key while [DHCP] or [RARP/BOOTP] is selected, and then pressing the <▼> and <▲> buttons to toggle between [ENABLE] and [DISABLE].

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3.4 Communication Parameter Setup (Print Services on Web, 6030/6050)

The communication parameters for TCP/IP, Serial, Centronics (optional), VPI (optional), and SNMP can be set up from Print Services on Web. These procedures are explained below.

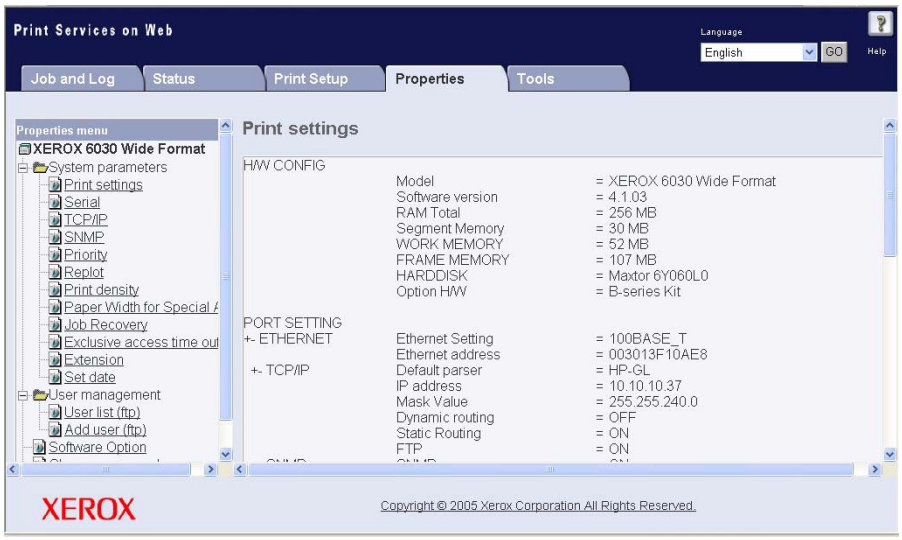
Important
- *The machine must be rebooted for the changes to take effect.*
- *These procedures are performed in the Administrator Mode.*

Procedure

1 Start Print Services on Web, enter the Administrator mode, and select the [Properties] tab.

Refer to *Refer to "2.3 Print Services on Web (6030/6050)" for details about starting Print Services on Web and logging on as Administrator.*

Note *The displayed [Print settings] were set up earlier using the selections on the [Print Setup] and the [Properties] tabs. The hardware configuration information is stored in the machine's controller.*



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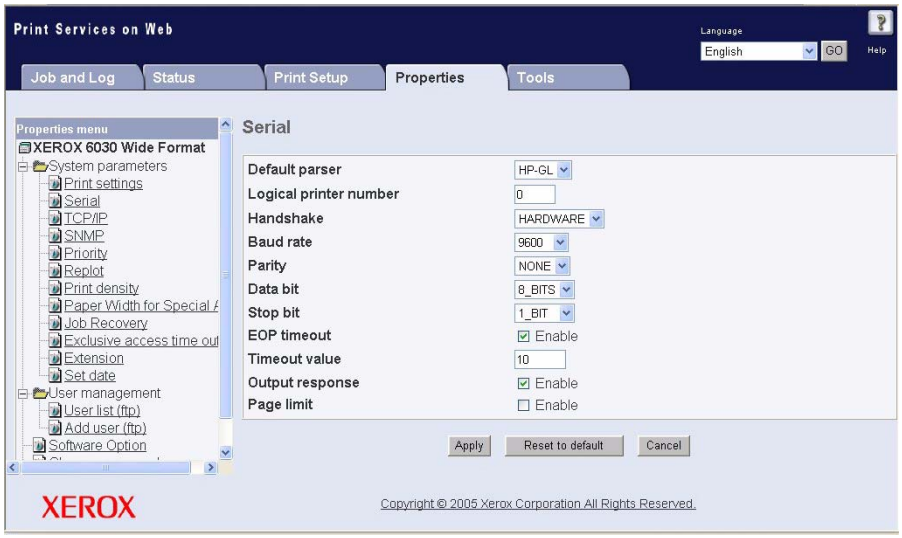
2 Select the interface or protocol ([TCP/IP], [Serial], [Centro], [VPI], [SNMP]) to be set up from the [System parameters] menu.
The setup selections will display in the right-hand pane of the window.
In the example below, [Serial] has been selected.

Note • *Only standard features and installed options are listed in the [System parameters] menu. [VPI] and/or [Centro] will be listed if one or both of these options is installed.*

Refer to • *Refer to the section " Communication Parameters Definitions" in "3.1 Communication Parameters" for more information about the communication parameter entries.*



3 Set up each of the parameters as required, and then select the [Apply] button.

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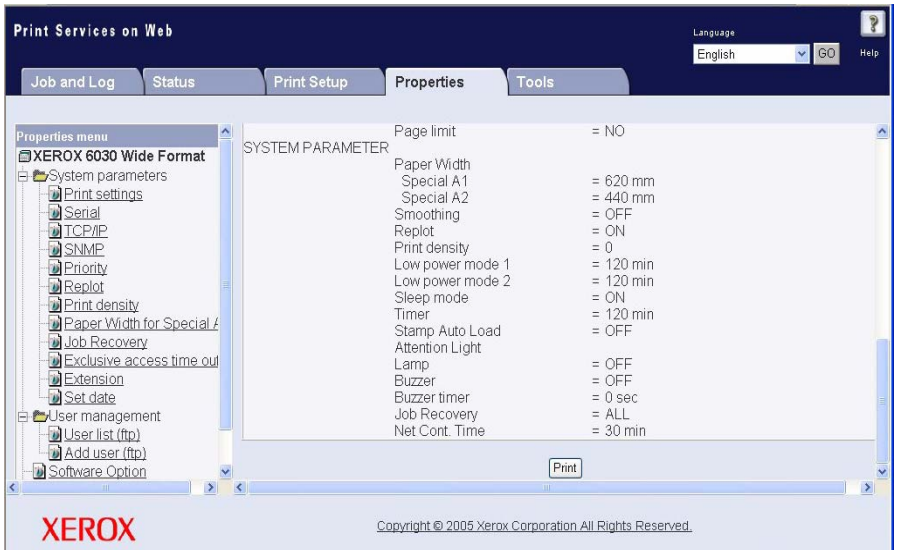
4 To print a list of the settings, drag the right scroll bar to the bottom, and then select the [Print] button.



5 After setting up all of the parameters, switch the Main Power Switch off and then on to enable the changes to take effect.

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3.5 Communication Parameter Setup (Web Printer Management Tool, 6050A)

Note

- *Consult Web Printer Management Tool help system for details on communication parameter setup of the 6050A.*

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3.6 System Parameter Setup (Printer Control Panel, 6030/6050)

The following system parameters can be set up from the printer control panel.

Note *These parameters can be set up on the copier control panel on the Xerox 6030/6050 Copier/Printers. If the parameters are set up on both the printer control panel and the copier control panel, the most recent settings will take precedence.*

Refer to • *Refer to "2.2 Printer Control Panel Usage" for detailed instructions on printer control panel operations.*

Menu Item	Description
Set Date	Sets up the internal clock. The parameters are set in the order year, month, day, hour, and minutes.
AUTO ROLL	Determines whether the automatic paper switching function from the roll to the tray and tray to the roll is [ON] or [OFF]. The default setting is [OFF].
SPA PAPER WIDTH	Sets the paper width for SP. JIS/ISO A paper. The default value is [SP A1]. [SP. A1] 620 or 625mm [SP. A2] 435 or 440mm
Smoothing	Determines whether 1200 dpi smoothing will be [ON] or [OFF]. The default setting is [OFF].
Low power mode1	Sets the time (1 to 120 minutes) that must elapse following a copy or print job before the machine enters the Low power mode 1. Low power mode 1 reduces the temperature of the fuser, decreasing power consumption. The default setting is [5] minutes.
Low power mode2	Sets the time (5 to 120 minutes) that must elapse following a copy or print job before the machine enters low power mode 2. Low power mode 2 reduces the fuser temperature more than low power mode 1. The default setting is [15] minutes.

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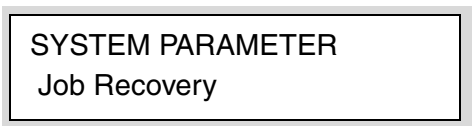
Menu Item	Description
Sleep Mode	Sets the sleep mode to [ON] or [OFF] and sets the time (15 to 120 minutes) that must elapse after the previous copy or print job until the machine enters the sleep mode. The sleep mode switches off the power of the printer. The default setting is [90] minutes.
Attention Light	Not Available
Buzzer	Not Available
Print Density	Sets up the default print density level. The density setting is a numeric value between -99 and 99.
Job Recovery	Determines how the jobs that were in the print queue when the printer power was shut off will be processed when the printer is switched back on. The default setting is [OFF]. [OFF] Jobs that had not been output when the power was shut off are canceled (not printed). [QUEUED] Prints out only the [Queued] jobs waiting to be processed. [ALL] Prints out all jobs that have not been successfully completed. Note • *When [ALL] is selected, a ten-page job will be reprinted from page one when the power is restored, even if pages 1 to 9 had already printed before the power was shut off.* • *The sequence in which jobs are printed after the power is restored is based on the ID numbers that were assigned when each job was received.*
Net Cont. Time	Not available

6030/6050 Printer Control Panel Example Procedure

1 Press the <▶> key with [MENU]/[SYSTEM PARAMETER] displayed.



2 Scroll to the item you wish to set up using the <▼> and <▲> keys. [Set Date], [AUTO ROLL], [SPA PAPER WIDTH], [Smoothing], [Low power mode1], [Low power mode2],

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[Sleep Mode], [Attention Light], [Print Density], [Job Recovery], and [Net Cont. Time] will display, in that order.. Press the <▶> key to select the item.

3 Select the parameters using the <▼> and <▲> keys, and then press the <Set> key. An asterisk [*] will display on the right side of the value once it is set.

Note *The changed parameters are saved to the system when the <Set> key is pressed. It is not necessary to save each change individually.*

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3.7 System Settings Setup (Printer Control Panel, 6050A)

The following system parameters can be set up from the printer control panel.

Refer to • *Refer to "2.2 Printer Control Panel Usage" for detailed instructions on printer control panel operations.*

Menu Item	Description
TCP/IP	Allows the entering of an IP Address, IP Subnet Mask and an IP Gateway address. Also allows DHCP and RARP/BOOTP to be enabled or disabled.
Date/Time	Sets up the internal clock. The parameters are set in the order year, month, day, hour, and minutes.
Timers	This encompasses both low power mode and sleep mode. Low power mode sets the time (15-240 minutes) that must elapse following a print job before the machine enters low power mode, reducing the temperature of the fuser and decreasing power consumption. The default setting is [15] minutes. The sleep mode sets the time (15-240 minutes) that must elapse following a print job until the machine enters the sleep mode; switching off power to the printer. The default setting is [55] minutes.

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6050A Printer Control Panel Example Procedure

1 Press the < ▶ > key with [MENU]/[SYSTEM SETTINGS] displayed.

2 Scroll to the item you wish to set up using the <▼> and <▲> keys. [TCP/IP], [Date/Time], and Timers will display, in that order. Press the < ▶ > key to select the item. In this instance, choose [TCP/IP].

3 Select the parameters using the <▼> and <▲> keys, and then press the <Set> key. An asterisk [*] will display on the right side of the value once it is set.

Note *The changed parameters are saved to the system when the <Set> key is pressed. It is not necessary to save each change individually.*

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3.8 System Parameter Setup (Print Services on Web, 6030/6050)

The system parameters listed below can be set up from Print Services on Web.

Important *These procedures are performed on the Administrator page.*

Refer to *Refer to "3.4 Communication Parameter Setup (Print Services on Web, 6030/6050)" for information about setting up the [TCP/IP], [Serial], [Centro], [VPI], and [SNMP] selections in the [System Parameters] menu on the Properties tab.*

Important *The parameter nomenclature on Print Services on Web will sometimes differ from the nomenclature on the printer control panel. The printer control panel nomenclature appears in **bold type** in the table below.*

Menu Item	Description
Priority	Determines which of the following should be set up as the standard for determining the priority sequence of job output for the same job. [QIN_FOPEN] Time to start data transfer [QIN_FCLOSE] Time to end data transfer
Replot	Enables or disables the reprinting feature.
Print Density	Sets up the default print density level. The density setting is a numeric value between -99 and 99.
Paper Width for Special A (**SPA PAPER WIDTH**)	Sets the paper width for SP. JIS/ISO A paper. The default value is [SP A1]. [SP. A1] 620 or 625mm [SP. A2] 435 or 440mm

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Menu Item	Description
Job Recovery	Determines how the jobs that were in the print queue when the printer power was shut off will be processed when the printer is switched back on. The default setting is [OFF]. [OFF] Jobs that had not been output when the power was shut off are canceled (not printed). [QUEUED] Prints out only the [Queued] jobs waiting to be processed. [ALL] Prints out all jobs that have not been successfully completed. Note • *When [ALL] is selected, a ten-page job will be reprinted from page one when the power is restored, even if pages 1 to 9 had already printed before the power was shut off.* • *The sequence in which jobs are printed after the power is restored is based on the ID numbers that were assigned when each job was received.*
Exclusive access time out (**Net Cont. Time**)	Not available
Extension	Sets up the extension that will be used to identify the format of each file. The extension is a maximum of eight alphanumeric characters (upper case or lower case) in length. A maximum of 32 extensions can be saved.
Set Date	Sets up the internal clock. The parameters are set in the order year, month, day, hour, and minutes.

Procedure

1 Start Print Services on Web, log in as Administrator, and display the [Properties] tab.

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2 Select the item that is to be set up from the [System parameter menu], for example, [Priority], [Replot], [Print density], [Paper Width for Special A], [Job Recovery], [Exclusive access time out], [Extension], and [Set date].

Setting Up [Priority]

Note *The [Priority] parameter in Print Services on Web is the same as the [Print service] parameter on the printer control panel.*

1 Select [Priority] from the [System parameters] menu.
The [Priority] selections will display in the right pane.

2 Select the queuing standard from [QIN_FOPEN] or [QIN_FCLOSE].

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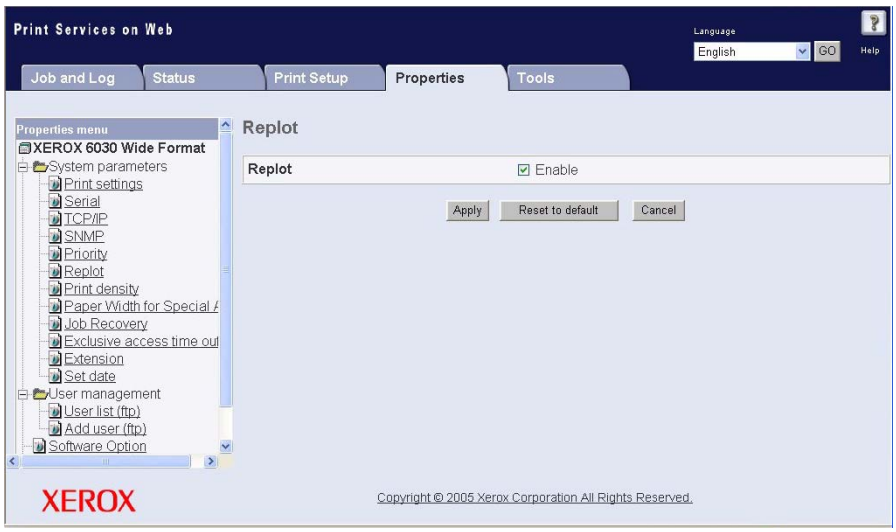
3 Press the [Apply] button to save the new setting, [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting Up [Replot]

1 Select [Replot] from the [System parameters] menu.
The Replot setup selections will display in the right pane.



2 The parameter is enabled by default. De-select the checkbox to disable the feature. Disabling the feature will render the reprinting function inoperative.

3 Press the [Apply] button to save the new setting, [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting Up [Print Density]

1 Select [Print density] from the [System parameters] menu.
The Print density selections will display in the right pane.

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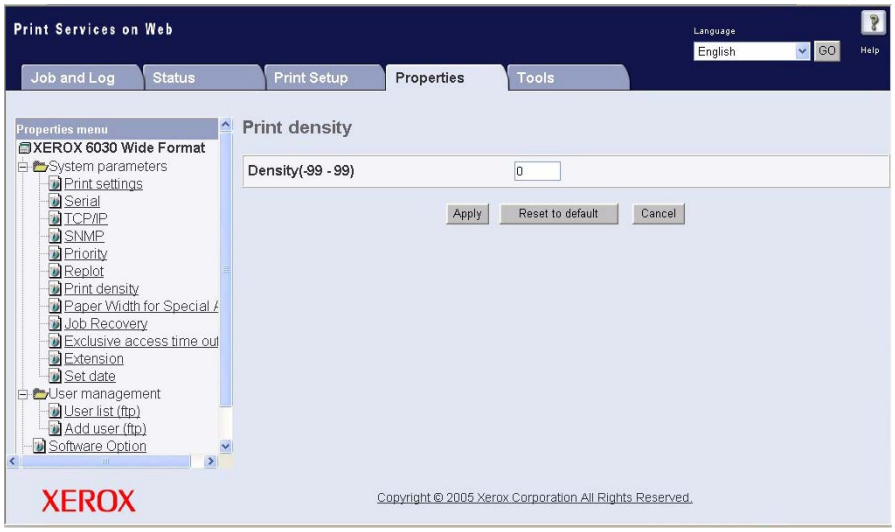
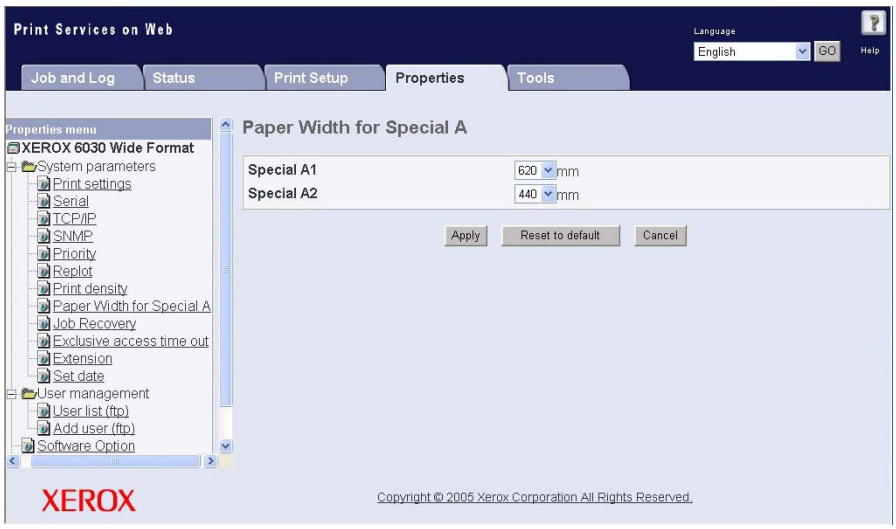


2 Enter a positive or a negative number between -99 and +99 to set up the default print density. Larger negative numbers lighten the prints. Higher positive numbers darken the prints. The factory default setting is [0].

3 Press the [Apply] button to save the new setting, [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting Up [Paper Width for Special A]

1 Select [Paper Width for Special A] from the [System parameters] menu. The Paper Width for Special A selections will display in the right pane.



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2 Select the required paper width for Special A1 and Special A2 paper from the available selections.

3 Press the [Apply] button to save the new setting, [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting Up [Job Recovery]

1 Select [Job Recovery] from the [System parameters] menu.
The Job Recovery selections will display in the right pane.

2 Select the option that will determine how jobs that are in the print queue when the printer power is shut off will be processed when the power is switched back on. The choices are [OFF], [Queued], and [All]. The default setting is [OFF].

3 Press the [Apply] button to save the new setting, [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting Up [Extension]

1 Select [Extension] from the [System parameters] menu.
The Extension selections will display in the right pane.

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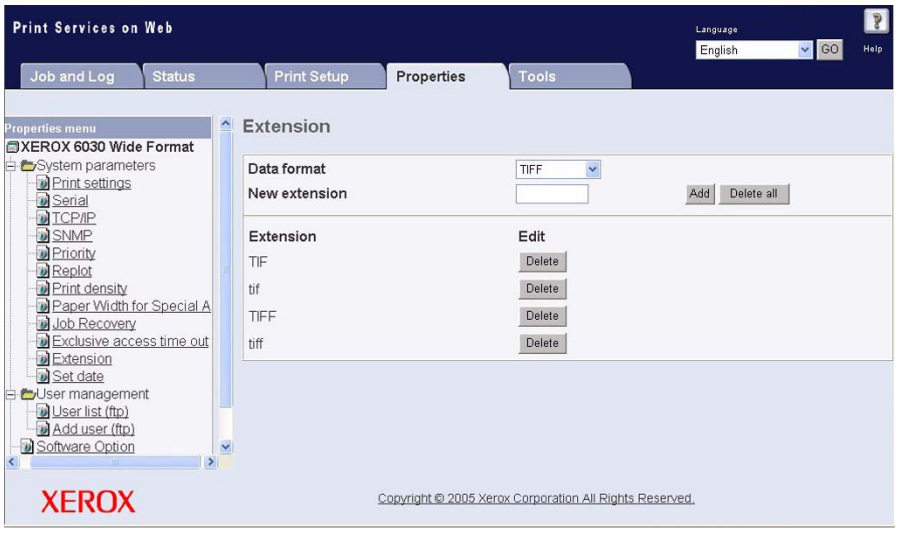

2 Select the required format from [Data format].

3 As required, add or delete an extension:

Add an extension

To add a new extension, enter an extension name of eight characters or less in the text field, and then click the [Add] button.

Delete an extension

To delete an extension, click the [Delete] button. Click [OK] or [Cancel] on the warning popup to confirm or cancel your selection.

4 Press the [Apply] button to save the new setting(s), [Cancel] to revert to the existing setting, or [Reset to default] to return to the factory default setting.

Setting up [Set date]

1 Select [Set date] from the [System parameters] menu.
The Set date selections will display in the right pane.

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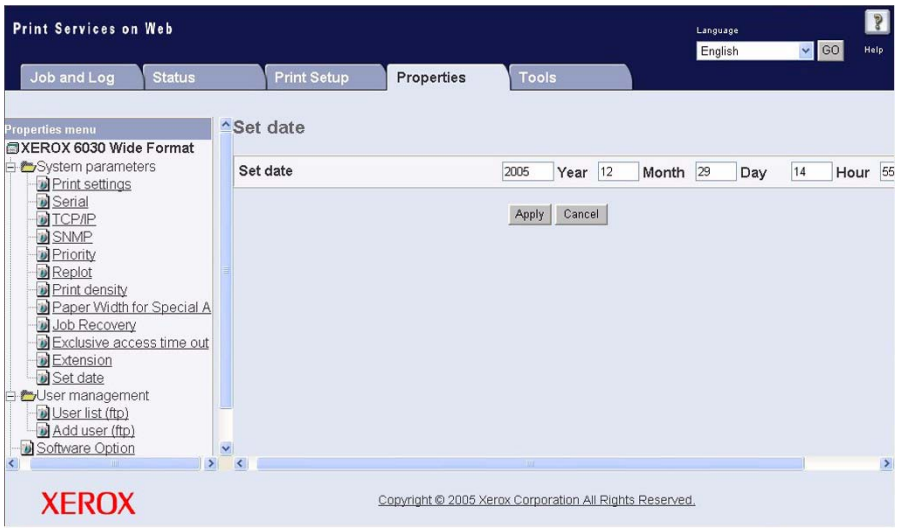

2 Enter the date.

Note *If the time selections are not displayed, drag the bottom scroll bar to the right to display them.*

3 Enter the time.

4 Press the [Apply] button to save the new setting, or press [Cancel] to revert to the existing setting.

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3.9 System Parameter Setup (Web Printer Management Tool, 6050A)

Note • *Consult Web Printer Management Tool help system for details on setting up system parameters for the 6050A.*

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3.10 Printing a Configuration List (6030/6050)

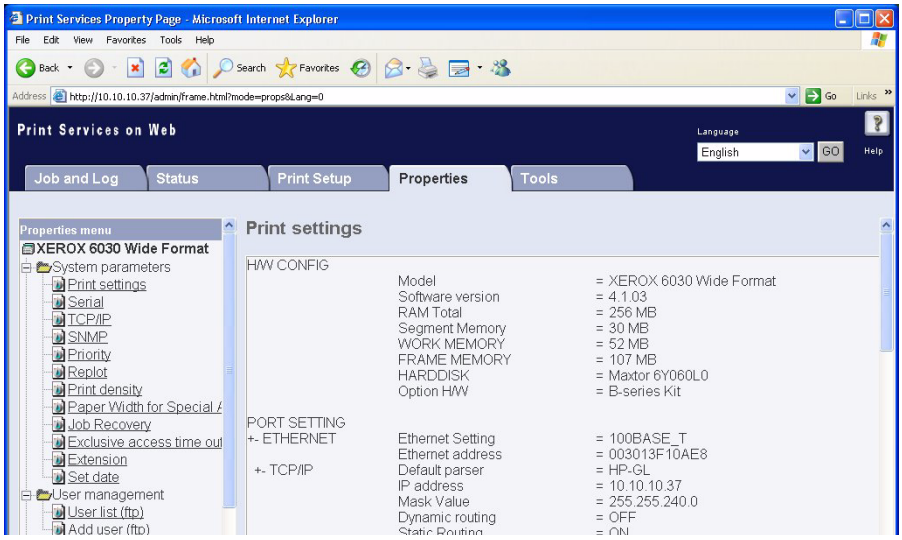
The procedures below explain how to print a configuration list that shows the hardware and software configuration, communication parameter (port) settings, and system parameter settings of the printer. This list may be printed from either the printer control panel or Print Services on Web.

From the Printer Control Panel

MENU PORT SETTING	**1** Press the < ▶ > key with [PORT SETTING] displayed.
PORT SETTING PRINT CONFIG	**2** Select [PRINT CONFIG] with the <▼> key, and then press the < ▶ > key.
PRINT CONFIG SET: to Print.	**3** Press the <Set> key when [SET: to Print.] is displayed. The list of settings will be printed.

From Print Services on Web

1 Start Print Services on Web, log in as Administrator, and select the [Properties] tab.



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2 Select [Print Settings] in the System parameters menu.
The current print settings will display in the right pane.

3 Using the scrollbar on the right side of the window, scroll to the bottom of the Print Settings list, and then select the [Print] button.
The printer will print a configuration list that is identical to the list from the printer control panel.

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An example of the configuration list (settings printout) is shown below.

```
[PLOTTER CONFIGURATION] : PAGE1]                          [XEROX 6050 Wide Format Version 4.1.03]

H/W CONFIG
                Model             = XEROX 6050 Wide Format
                Software Version  = 4.1.03
                RAM Total         = 512MB
                Segment Memory    = 30MB
                Work Memory       = 52MB
                Frame Memory      = 272MB
                Harddisk          = Maxtor 6Y080L0
                Option H/W        = FINISHER  MSI  B-KIT  2R-RFC
                Finisher Model    = estefold 4211 V1.13 721

S/W CONFIG
                PostScript        = ENABLE
                Network Scan      = DISABLE
                Key Install key   = XXX-XX-XXX-XXX-XX-XXX

PORT SETTING

+- ETHERNET     Ethernet Setting  = 100BASE_T       : AUTO /10BASE_T /100BASE_T
                Ethernet Address  = 003013F10A8C

  +- TCP/IP     Default Parser    = HP-GL           : VERSATEC /HP-GL /TIFF /CALS /PS/PDF
                IP Address        = 10.10.6.154
                Mask Value        = 255.255.240.0
                Dynamic Routing   = OFF             : OFF /ON
                Static Routing    = ON              : OFF /ON
                FTP               = ON              : OFF /ON

  +- SNMP       SNMP              = ON              : OFF /ON

+- SERIAL       Default Parser    = HP-GL           : HP-GL
                File No.          = 0               : 0 - 99
                Baud Rate         = 9600            : 300 /1200 /2400 /4800 /9600 /19200
                Data Bit          = 7_BITS          : 7_BITS /8_BITS
                Stop Bit          = 1_BIT           : 1_BIT /2_BITS
                Parity            = EVEN            : NONE /EVEN /ODD
                Handshake         = XON/XOFF        : XON/XOFF /HARDWARE /ENQ_ACK /SOFTWARE
                EOP Timeout       = ON              : OFF /ON
                  Timeout         = 10sec           : 0 - 255
                Output Response   = NO              : NO /YES
                Page Limit        = NO              : NO /YES

SYSTEM PARAMETER
                Print density     = 0               : -99 - 99
                Auto Roll
                  Roll->Tray      = OFF             : OFF /ON
                  Tray->Roll      = OFF             : OFF /ON
                Paper Width
                  SPA1            = 620mm           : 620 /625
                  SPA2            = 440mm           : 435 /440
                Smoothing         = OFF             : OFF /ON
                Replot            = ON              : OFF /ON
                Low power mode 1  = ON              : ON
                  Timer           = 15min           : 1 - 120
                Low power mode 2  = ON              : ON
                  Timer           = 15min           : 5 - 120
                Sleep mode        = ON              : OFF /ON
                  Timer           = 90min           : 15 - 120
                Stamp Auto Load   = OFF             : OFF /ON
                Attention Light
                  Lamp            = OFF             : OFF /ON
                  Buzzer          = OFF             : OFF /ON
                  Buzzer timer    = 0sec            : 0 /10 /30 /60 /120 /180
                Job Recovery      = OFF             : OFF /QUEUED /ALL
                Net Cont. Time    = 30min           : 10 /30 /60 /90 /120 /180 /240 /300 /360 /420 /480
```


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Description of the Configuration List Contents

The contents of configuration list are explained below.

Displayed Item		Description
H/W CONFIG	Model	Product name
	Software Version	Installed version of the printer software
	RAM Total	Displays the amount of memory installed in the printer.
	Segment Memory	Displays the capacity of the area where spooled print data is stored during print processing.
	Work Memory	Displays the capacity of the area used for running the controller software.
	Frame Memory	Displays the capacity of the image memory (the area in which images developed into bit maps are stored.)
	Harddisk	Displays the model number of the hard disk on which the input data are spooled.
	Option H/W	Additional installed hardware device(s), such as a folder, stacker, etc.
	Finisher Model	Model number of the finisher
S/W CONFIG	PostScript	Enabled software option
	Network Scan	Disabled software option
	Key Install Key	Installation key number for the installed and enabled software option
PORT SETTING	ETHERNET	Ethernet settings
	TCP/IP	TCP/IP port settings
	SNMP	SNMP status
SYSTEM PARAMETER	All	The left column lists the available system parameters. The center column lists the current system parameter settings. The right column lists the possible settings for each of the system parameters.

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3.11 Printing a Configuration List (6050A)

The procedures below explain how to print a configuration list that shows the hardware and software configuration, communication parameter (port) settings, and system parameter settings of the printer. This list may be printed from either the printer control panel or Web Printer Management Tool.

From the Printer Control Panel

MENU UTILITIES

1 Press the < ▶ > key with [UTILITIES] displayed.

UTILITIES TEST PRINT

2 [TEST PRINT] is the first menu choice. Press the < ▶ > key.

TEST PRINT PRINTER CONFIGURATION

3 [PRINTER CONFIGURATION] is the first menu choice. Press the <Set> key.
The printer configuration list will be printed.

From Web Printer Management Tool

1 Type in the appropriate URL into your web browser to access Web Printer Management Tool. Click on the [Utilities] tab.

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2 Select the [Test Print] sub-tab that appears.

3 Depending upon your information requirements, click on the [Minimal], [Normal], [Full], or if PostScript is available, [PostScript] test print buttons. Explanations of each of these options are available from the Web Printer Management Tool interface.

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An example of the configuration list (settings printout) is shown below.

XEROX 6050A WIDE FORMAT - CONFIGURATION

CONTROLLER CONFIGURATION

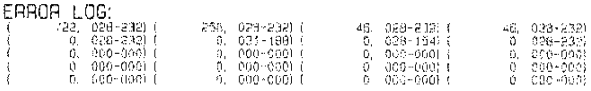
DATE/TIME:	06/12/2007 16:58:47	ADVANCED NETWORK STATUS:	READY
RAM (MB):	1024	ADVANCED NETWORK HW ADDRESS:	00:18:8b:23:57:26
CPU:	Intel(R) Celeron(R) 3.06GHz	KEY INSTALL KEY(KIK):	855-49-b91-cb5-4e-6f5
BSP VERSION:	2.6.17-1.2142_FC4.3.FFA	MACHINE NAME:	00-18-8B-23-57-26
FIRMWARE:	12.5	ERROR LOG:	
BUILD NUMBER:	05.29.14.56	(1181551027 00000000)	
DDS ENABLE:	ON		
HARD DISK DRIVE (MB):	76293		
STORE DEBUG ON DISK:	ON		
POSTSCRIPT PARTITION:	OPTIMIZED		
IMMEDIATE IMAGE OVERWRITE:	DISABLED		

OPTIONAL CONTROLLER FEATURES

OS ENABLEMENT:	PRESENT	JOB ACCOUNTING LICENSE:	PRESENT
PRINT ACTIVATION:	PRESENT	JOB ACCOUNTING ENABLE:	OFF
PRINT ENABLE:	ON	COPY ACTIVATION:	PRESENT
CGM LICENSE:	STANDARD	COPY ENABLE:	ON
POSTSCRIPT LICENSE:	PRESENT	SCAN TO NET LICENSE:	PRESENT
POSTSCRIPT ENABLE:	OFF	SCAN TO NET ENABLE:	ON
VERSATEC RASTER LICENSE:	STANDARD	SCAN TO PRINT LICENSE:	PRESENT
VCGL LICENSE:	STANDARD	SCAN TO PRINT ENABLE:	ON
AUTOCAD LICENSE:	PRESENT		
OTHER CAD LICENSE:	PRESENT		
RASTER LICENSE:	PRESENT		
DISK OVERWRITE LICENSE:	PRESENT		

PRINT ENGINE CONFIGURATION

FIRMWARE:	03.02.12	READY TO POWER SAVER (MIN):	30
9D LICENSE:	PRESENT	POWER SAVER TO REST (MIN):	50
FINISHER:	NONE	MEDIA USAGE	
MACHINE ID (SERIAL NUMBER):	763338	LINEAR:	21442
RESOLUTION (DPI):	600	AREA:	73084
		ERROR LOG:	



INSTALLED MEDIA

ROLL 1 SIZE:	ROLL 11 IN
ROLL 1 TYPE:	BOND
ROLL 1 STATUS:	FULL
ROLL 2 SIZE:	ROLL 36 IN
ROLL 2 TYPE:	BOND
ROLL 2 STATUS:	EMPTY

COMMUNICATION PARAMETERS

TCP/IP IP ADDRESS:	10.10.6.30
TCP/IP SUBNET MASK:	255.255.240.0
TCP/IP DEFAULT GATEWAY:	10.10.0.1
RARP/BOOTP ENABLE:	OFF
DHCP ENABLE:	OFF

SCANNER CONFIGURATION

TYPE:	NONE	VENDOR:	NONE
PRODUCT:	NONE	SCANNER USAGE (SQ FT):	333
FIRMWARE:	NONE		

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Description of the Configuration List Contents

The contents of the configuration list are explained below.

Category	Description
Controller Configuration	Displays data such as controller date/time, firmware version, size of hard disk, etc.
Optional Controller Features	Displays which optional features of the 6050A have been activated.
Print Engine Configuration	Displays data such as the set resolution of the 6050A, power saver information, and the IOT error log.
Installed Media	Displays the roll paper types installed in the 6050A.
Communication Parameters	Displays informations such as the IP Address of the 6050A.
Scanner Configuration	Displays whether or not a scanner is present, scanner usage, etc.

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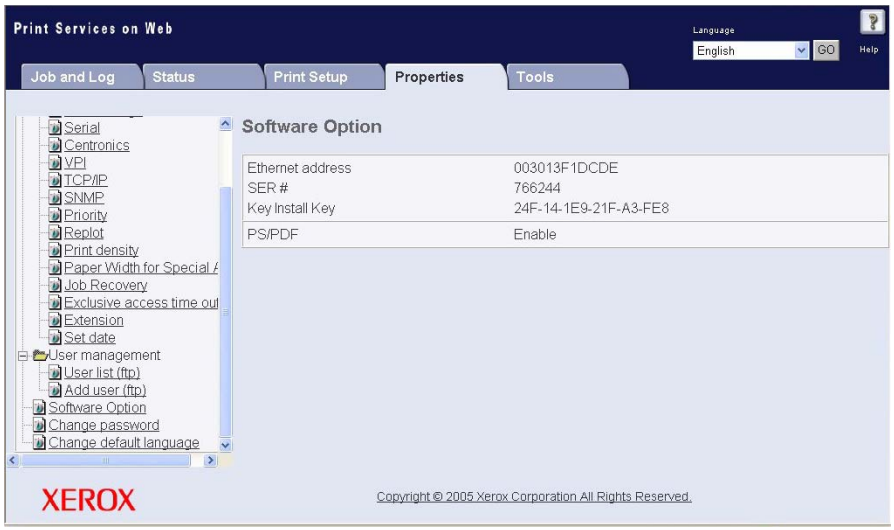
3.12 Software Option (Print Services on Web, 6030/6050)

The [Software Option] selection on the Print Services on Web [Properties] tab displays all installed optional software and related Feature Key (Key Install Key) information, for example, for the PostScript Driver.



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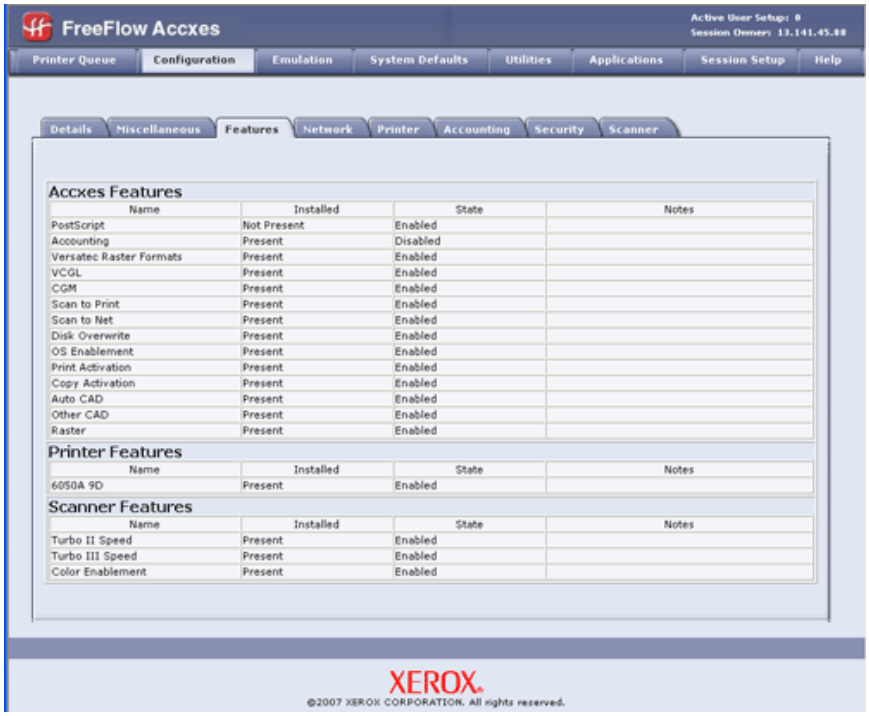
3.13 Software Option (Web Printer Management Tool, 6050A)

Similar to the [Software Option] selection under the Print Services on Web [Properties] tab, the the [Features] selection under the [Configuration] tab in Web Print Management Tool allows for the display of what features are currently installed on the 6050A.



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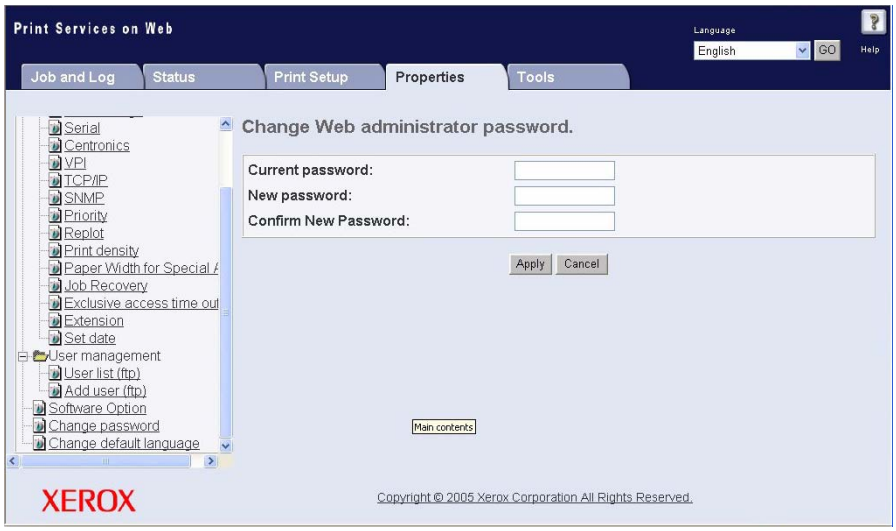
3.14 Change Password (Print Services on Web, 6030/6050)

The [Change Password] selection on the Print Services on Web [Properties] tab can be used to change the password that is used to log in to the Administrator page.

Important *Maintain a record of the new password in a secure location.*

1 Select the [Change Password] selection on the [Properties] tab.
The [Change Web administrator password] fields will display in the right pane of the window.



2 Enter the current password in the [Current password:] field.

3 Enter the new password in the [New password:] field.

4 Enter the new password again in the [Confirm New Password:] field.

5 Click the [Apply] button to save the change, or [Cancel] to undo it.

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3.15 Change Password (Web Printer Management Tool, 6050A)

Important *Maintain a record of the new password in a secure location.*

1 Select the [Utilities] tab on the main navigation bar, then click on the [Password] sub-tab.

2 Enter the current printer password in the [Enter the current printer password:] field.

3 Enter the new password in the [New printer password:] field.

4 Enter the new password again in the [...and again to verify:] field.

5 Click on the [Update Printer] button to activate the new password.

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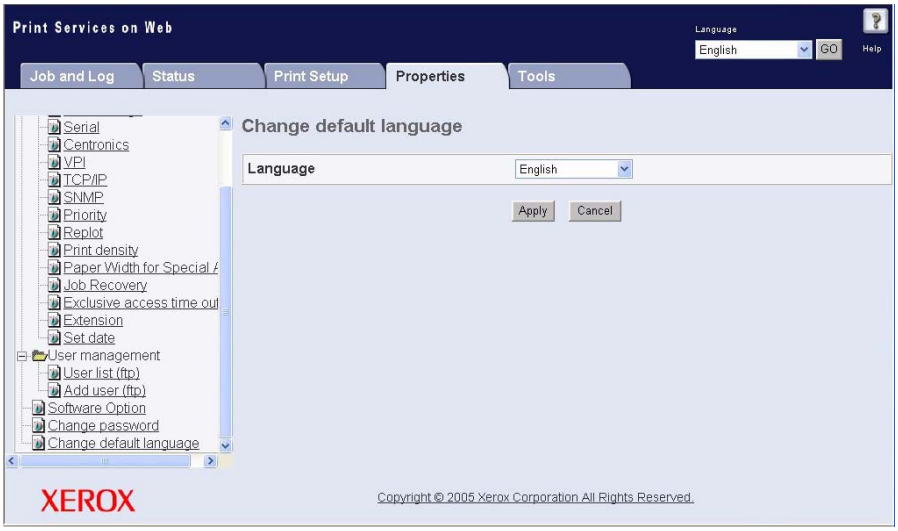
3.16 Change Default Language (Print Services on Web, 6030/6050)

The [Change default language] selection on the Print Services on Web [Properties] tab can be used to change the language that is displayed when Print Services on Web is started. The language can be changed to English, French, Italian, German, Spanish, or Portuguese.

This setting becomes effective after the machine is switched off and then on again.



1 Select the [Change default language] selection on the Print Services on Web [Properties] tab.
The [Change default language] fields will display on the right pane of the window.

2 Select the required language selection from the pull down list.

3 Click the [Apply] button to save the change, or [Cancel] to undo it.

4 Power the machine off and then on for the change to take effect.

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3.17 Change Default Language (Web Printer Management Tool, 6050A)

Web Printer Management Tool allows the user to change the language displayed when it is started. The language can be changed to English, Italian, French, Spanish, South American Portuguese, German or Russian.

1 Select the [Configuration] tab on the main navigation bar, then select the [Printer] sub-tab.

2 Under [Printer Setup], click to the right of the [Printer Language] text and choose the required language.

3 Click the [Update Printer] button to save and immediately apply the change.

Refer to *Refer to "5.3 Printer Control Panel Menu (6050A)" for details on how to change the language on the printer control panel for the 6050A. Please note that the machine will reboot within 30 seconds and the Accxes controller will not be affected by this change.*

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Chapter 4

Logical Printer Setup and Operation (6030/6050 only)

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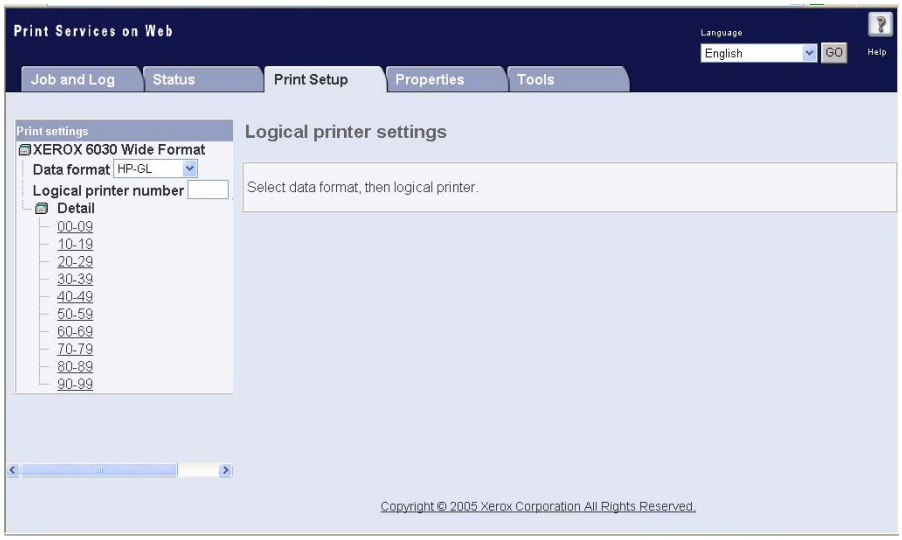
4.1 Creating a New Logical Printer

One hundred logical (virtual) printers, numbered from 00 to 99, can be set up for each of the available data formats (HP-GL, Versatec, TIFF, CALS, PS/PDF). The procedure below explains how to create a new logical printer.

1 Start the web browser and log in to Print Services on Web.

2 Enter the Administrator mode, and then select the [Print Setup] tab.



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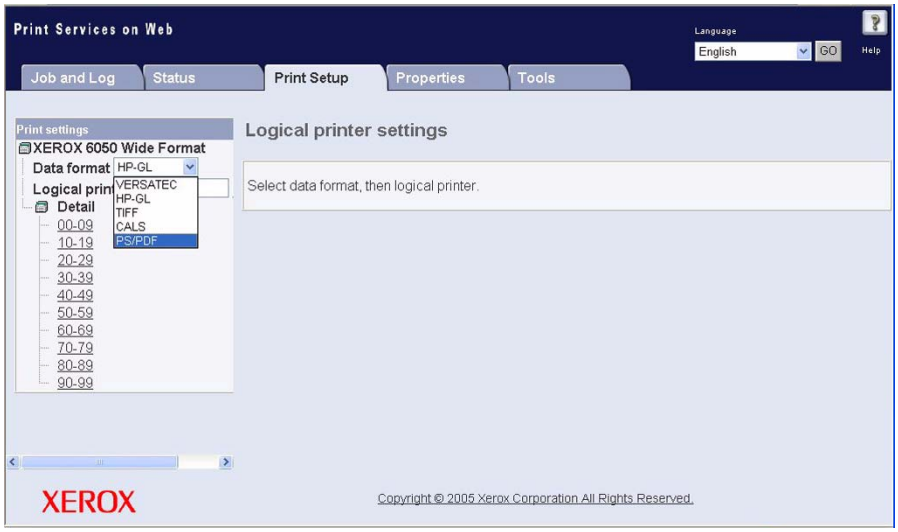
3 Select the data format for the new logical printer from the [Data format] menu.

The selections include [Versatec], [HP-GL], [TIFF], [CALS], and optionally, [PS/PDF].



Note *The logical printers are pre-configured in the factory to their default print settings. These defaults, as well as the options you can select, are defined in the upcoming section "4.2 Defining the Print Settings". When you display a list of logical printers, as in step 4, the current print settings will display.*

To identify a logical printer whose factory defaults have not been changed, look for one that displays only the factory defaults. As a clue to identifying logical printers that have been set up for local use, check the " Media Series" or" User-Defined Size" parameters. These parameters are often customized to meet local needs.

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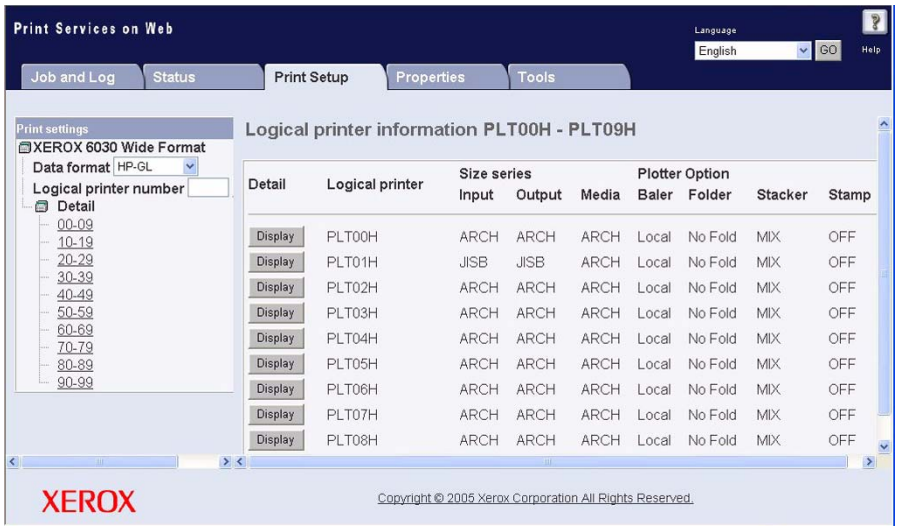
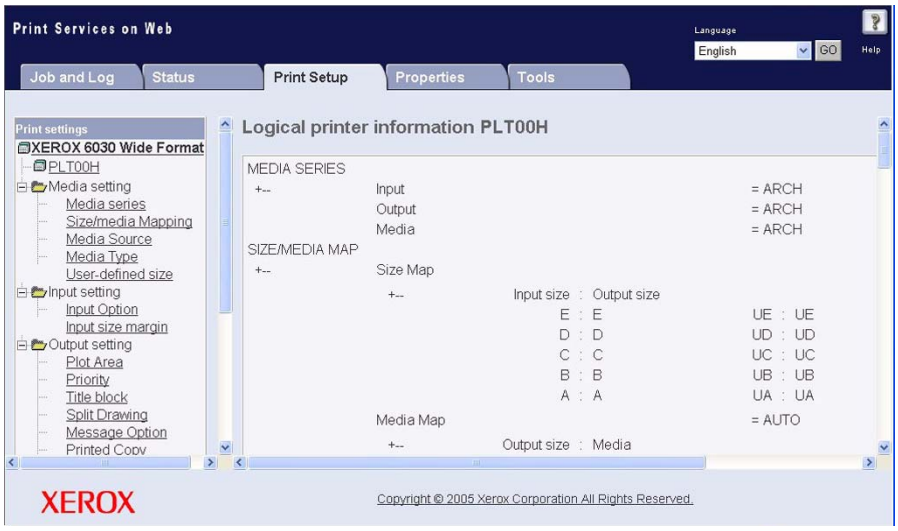
4 Select an unused logical printer. To do this, select a range of numbers in the [Detail] list at the left side of the screen, beginning with [00-09]. The ten logical printers will appear in the right pane of the screen.



5 Continue selecting the ranges of numbers, as required, until you locate an unused logical printer, and then click the [Display] button.
The default print settings for the selected data format and logical printer will display in the [Logical printer information...] list at the right side of the screen, and a menu of print setting selections will appear in the left pane.

Note *Use the scrollbar on the right side of the window to scroll through the [Logical printer information] list.*



Note *To print a list of the logical printer settings, scroll to the bottom of the [Logical printer information] list and click the [Print] button.*

6 If required, set up the print parameters following the instructions in section "4.2 Defining the Print Settings".

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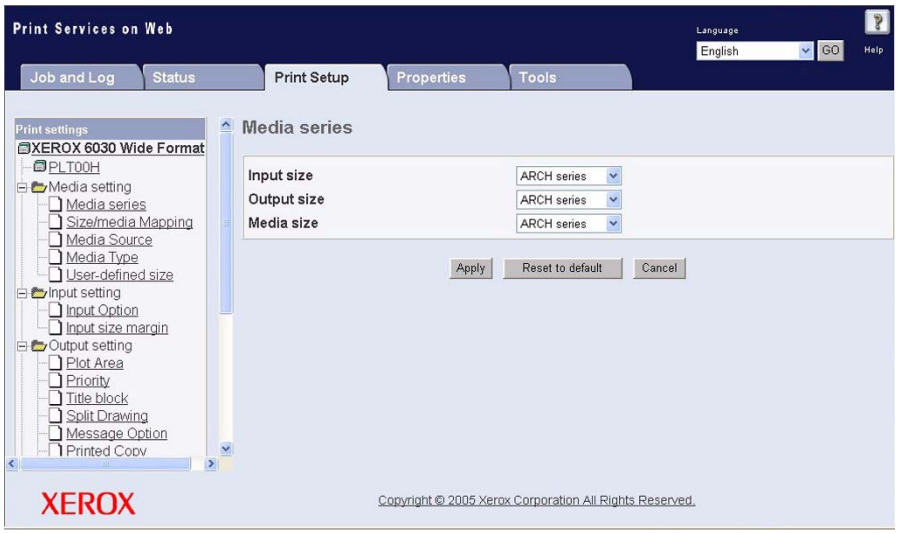
4.2 Defining the Print Settings

The next step, after creating a logical printer, is to set up the parameters that define how it will process print jobs. These parameters are located at the left side of the screen in the [Print Setup] menus ([Media setting], [Input setting], [Output setting], [Transform], [Pen setting], and [Command setting]).

1 Click an item in a [Print Setup] menu to display the available selections. The settings for the selected item will display on the right side of the screen.



2 Set up each of the print settings that needs to be changed. Refer to the parameter descriptions in this section for the available setting options.

3 Click the [Apply] button after selecting each parameter setting. You may have to scroll the screen to reveal the [Apply] button.

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4.3 Logical Printer Print Settings

This section describes the print settings for the logical printers.

Logical Printer Parameters by Data Format

The logical printer parameters will vary by data format, as indicated in the table below.

HP-GL	Versatec	TIFF	CALS	PS/PDF
Media Series Size/media Mapping Media Source Media Type User-defined Size Input Option Input size margin Plot Area Plotter Option Priority Title block Split Drawing Message Option Printed Copy Output Option Size Recognition Color Option Transform Define Single Pen Define Multi Pen Pen Option Emulation PS Command EOP Command	Media Series Size/media Mapping Media Source Media Type User-defined Size Input Option Input size margin Plot Area Plotter Option Priority Title block Split Drawing Message Option Printed Copy Output Option Size Recognition Color Option Transform Pen Option VCGL Pen Style VCGL Pen Width VRF Define Pen VRF Define Multi Pen	Media Series Size/media Mapping Media Source Media Type User-defined Size Input Option Input size margin Plot Area Plotter Option Priority Title block Split Drawing Message Option Printed Copy Output Option Size Recognition TIFF Option Transform	Media Series Size/media Mapping Media Source Media Type User-defined Size Input Option Input size margin Plot Area Plotter Option Priority Title block Split Drawing Message Option Printed Copy Output Option Size Recognition CALS Option Transform	Media Series Size/media Mapping Media Source Media Type User-defined Size Input Option Input size margin Plot Area Plotter Option Priority Title block Message Option Printed Copy Output Option Size Recognition PS/PDF Option Transform

Parameters Common to all Data Formats

The following table lists the parameters that are common to all logical printers, regardless of data format.

[Print Setup] Menu	Menu Item	Description	Format
Media setting	Media Series	Specifies the media size series for the input and output data, and the media.	All
	Size/Media Mapping	Sets up the input size mapping, and whether to enable or disable the media mapping.	All

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[Print Setup] Menu	Menu Item	Description	Format
Media setting (continued)	Media Source	Determines whether the paper is to be fed automatically from a roll or from the (MSI) Multi Sheet Inserter/Manual Feed Unit, and sets up the priority ([Job] or [Controller]). Important *The optional (MSI) Multi Sheet Inserter/Manual Feed Unit is required for manual feeding.*	All
	Media Type	Sets up the media type ([Any], [Bond], [Vellum], [Film]).	All
	User-Defined Size	Sets up the user defined size.	All
Input setting	Input Option	Sets up the input size and the number of fragments.	All
	Input Size Margin	Sets the top, bottom, left, and right margin values (from -99 to +99mm).	All
Output setting	Priority	Sets up the printing priority ([Low], [Normal], [High]).	All
	Title Block	Sets up the media size and the title block location on the print.	All
	Split Drawing	Sets up the printing parameters for Split Drawing Mode.	All
	Message Option	Determines whether messages will be printed. Selections include [Error Message], [Label Message], [Date Message], [Display Position].	All
	Printed Copy	Sets up the number of copies to be printed (1 to 99), and the priority ([Job] or [Controller]).	All
	Output Option	Sets up the output size. Also sets up number of fragments and the lead and trail margins.	All
	Size Recognition	Determines whether to give priority to standard shapes or to long shapes when the standard size is exceeded.	All
Transform	Transform	Sets automatic enlargement/reduction (Auto Scale), Mirror Image, and 90-degree rotation.	All

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Parameters Unique to Data Formats

[Print Setup] Menu	Menu Item	Description	Data Format
Output setting	Plot Area	Sets the print range, centering, and offset.	All (see Note)
	Color Option	Enables or disables the White Mode (white line) function.	HPGL, Versatec
	TIFF Option	Sets up the sorting and output sequence, and the resolution for the print data.	TIFF
	CALS Option	Sets up whether or not to disable the [ROTATE] command.	CALS
	PS/PDF Option	Sets the default media size, tray, and DMS for PS/PDF data.	PS/PDF
Pen setting	Define Single Pen	Defines the attributes of a single pen.	HPGL
	Define Single Pen	Defines the attributes of a single pen for VRF data.	Versatec
	Define Multi Pen	Defines the attributes of multiple pens.	HPGL
	Define Multi Pen	Defines the attributes of multiple pens for VRF data.	Versatec
	VCGL Pen Width	Sets up the width of the VCGL pen only.	Versatec
	VCGL Pen Style	Sets up the pen specifications for VCGL data only.	Versatec
	Pen Option	Determines whether or not to change the pen width when enlarging or reducing.	Versatec, HPGL
Command setting	Emulation	Selects the processing language (HP-GL/ HP-GL2) for the HP-GL data.	HPGL
	PS Command	Enables and disables the PS command.	HPGL
	EOP Command	Enables and disables the EOP command.	HPGL

Note *Print ranges cannot be set up for TIFF and CALS.*

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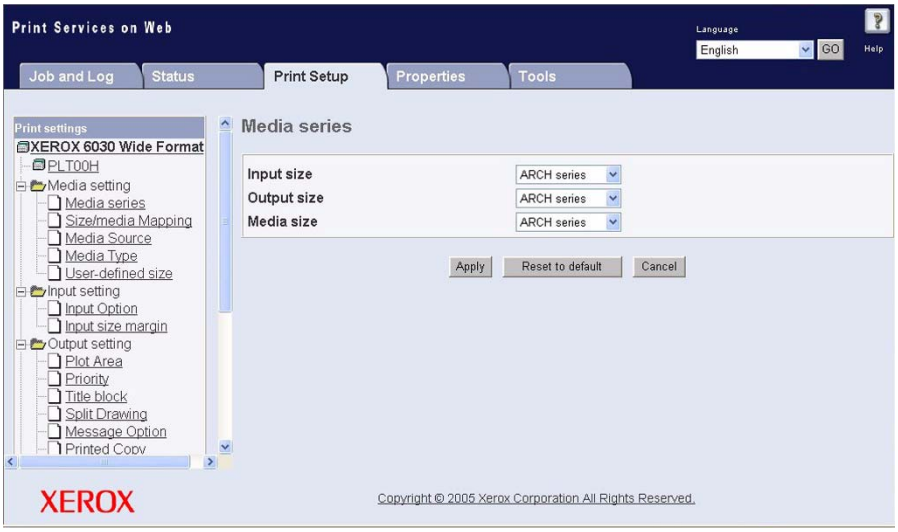
Media Series

This parameter sets up the media size series for the input size, output size, and media size. Each item can be set to a different media size series.



Settings

The settings are as follows. All of the default settings are [ISO A].

Menu Item	Description
Input size	Sets up the media group for determining the input size. The selections available are [ISO A series], [Special A series], [ARCH series], [ISO B series], [ANSI series], and [ARCH-30 series].
Output size	Sets up the media group for determining the output size. The selections available are [ISO A series], [Special A series], [ARCH series], [ISO B series], [ANSI series], and [ARCH-30 series]. Note *The settings specified with the host take priority.*
Media size	Sets up the media group for determining the roll media to be selected. The selections available are [ISO A series], [Special A series], [ARCH series], [ISO B series], [ANSI series], and [ARCH-30 series].

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The media types that can be set for each paper group are shown below.

- Input size, Output size

MEDIA SERIES	Standard Size
ISO A	A0 to A4, U0 to U4, A0L to A4L
ISO B	Input size: B0 to B4, BU0 to BU4, B0L to B4L Output size: B1 to B4, BU1 to BU4, B1L to B4L
Special A	SA0 to SA3, SU0 to SU3, SA0L to SA3L,
ARCH	E to A, UE to UA, EL to AL
ANSI	E to A, UE to UA, EL to AL
ARCH-30	E30 to A, UE30 to UA, E30L to AL

- Media Size

MEDIA SERIES	Standard Size	User Defined Sizes	Roll Media
ISO A	A0 to A4	A0 to A4	A0 to A3
ISO B	B1 to B3	B1 to B3	B1 to B3
Special A	SA0 to SA3	SA0 to SA3	SA0 to SA3
ARCH	E to A	E to A	E to B
ANSI	E to A	E to A	E to B
ARCH-30	E30 to A	UE30 to UA	E30 to B

Refer to *Refer to "9.1 Main Specifications (6030/6050)" for the 6030/6050 and "9.2 Main Specifications (6050A)" for the 6050A for details on the media sizes.*

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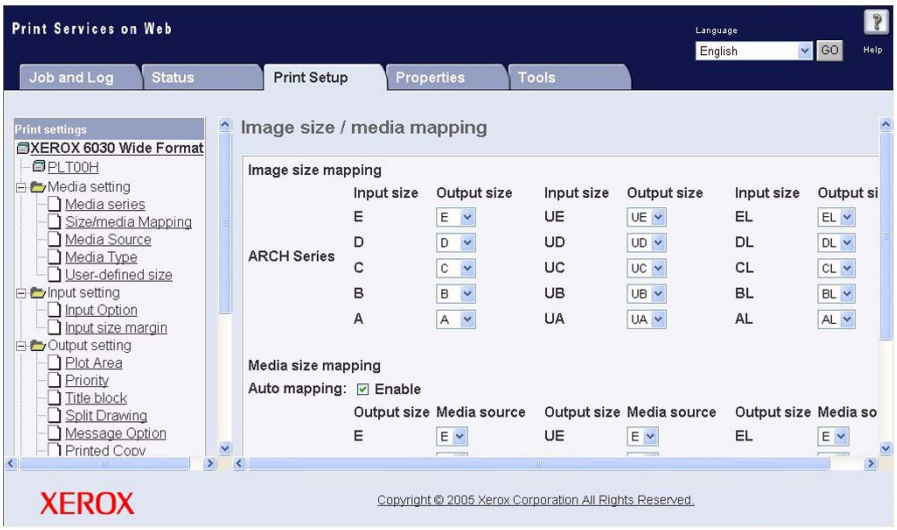
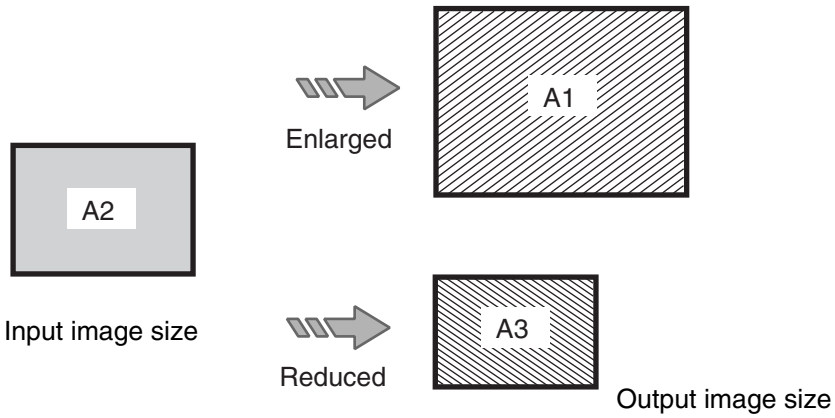
Size/Media Mapping

Standard size images and user-defined images can be enlarged and reduced to fit standard and user-defined output sizes. This is known as "Size Mapping".
It is also possible to specify which roll media is to be used based on the output size. This function is known as "Media Mapping".
The function that automatically determines the output media size that best matches the size of the output image is known as "Auto Mapping".

Note
- *These parameters are only valid when [AUTO], [OTHER], [MIX], or [MIX2] has been specified for the [Paper Size] on [Output Option].*
- *Images will not be enlarged or reduced if [Auto Scale] has been set to [NO]. Refer to the section on [Transform] for details on the [Auto Scale] function.*



Size Mapping



Media Mapping

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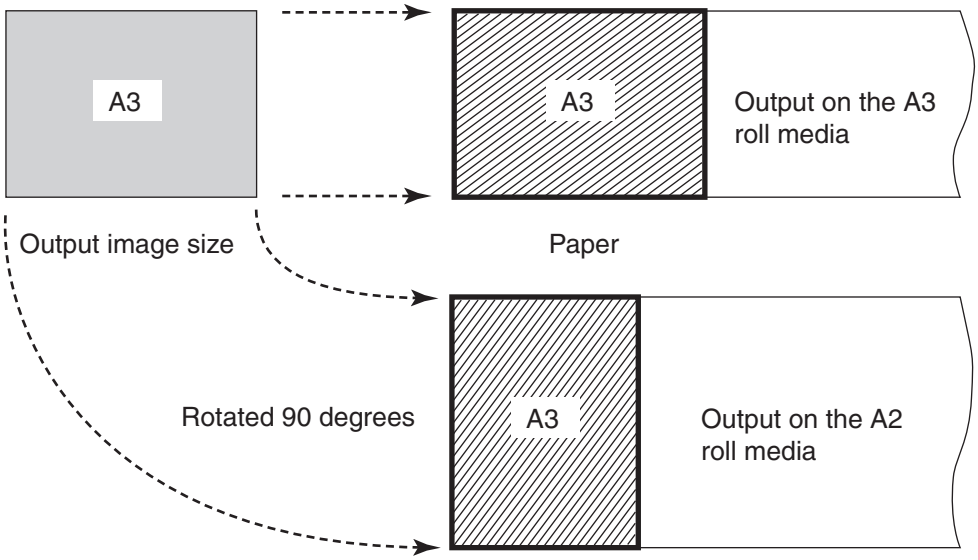

Settings

The settings for this function are as follows.

Menu Item	Description
Auto Mapping	Sets whether the automatic mapping functions is to be enabled or not. The output paper size that best matches the output image size will be determined automatically when this function is set to [Enable]. The values specified in paper mapping will be invalidated.
Size (fixed)	The value entered here is used as the input size when [Output] has been specified. The value entered here is used as the output size when [Media Type] has been specified. The paper size displayed will differ in accordance with the [Input size] parameter set for the Media series.
Output	Sets the size of the output image in relation to the input size (size mapping). The paper size selected will differ in accordance with the [Output size] parameter set for the Media series.
Paper	Sets the size of the paper that is to be actually output in relation to the output size when automatic mapping has been set to [NO] (media mapping). There are cases where the input image will be rotated for output purposes depending on the paper size specified here. The paper size selected will differ in accordance with the [Media size] parameter set for the Media series.

Refer to *Refer to the section on "Media Series" for further details on paper groups.*

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Example

When the mapping table is set up as shown below, an image with an input size of A3 will be printed as follows.

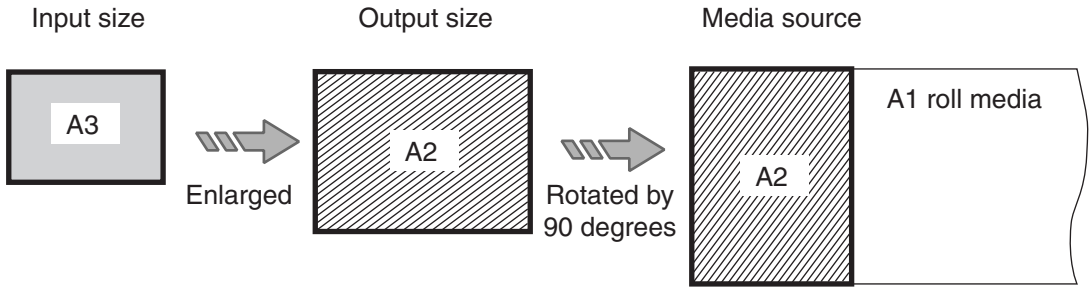
② Media Mapping

Input size	Output size	Media size
A0	A0	A0
A1	A1	A1
A2	A1	A1
A3	A2	A2
A4	A4	A4

① Size Mapping

① Size mapping is applied to the image with an input size of A3, which is then enlarged to an A2 output size (enlarged by 141.4%).

② Media mapping is applied as the output size is A2, and the image is printed on the A1 roll media (rotated by 90 degrees and output).



Examples of the Media Sizes that can be output with Media Mapping

It is possible to print out the following paper sizes for the ISO A series.

Output Size	Printable Paper Size
A0	A0 roll media
A1	A0 roll media (90-degree rotation), A1 roll media
A2	A1 roll media (90-degree rotation), A2 roll media
A3	A2 roll media (90-degree rotation), A3 roll media
A4	A3 roll media (90-degree rotation)

Note • *It is possible to set paper sizes other than those listed above with media mapping, but this may result in the images breaking up or the paper being too large.*

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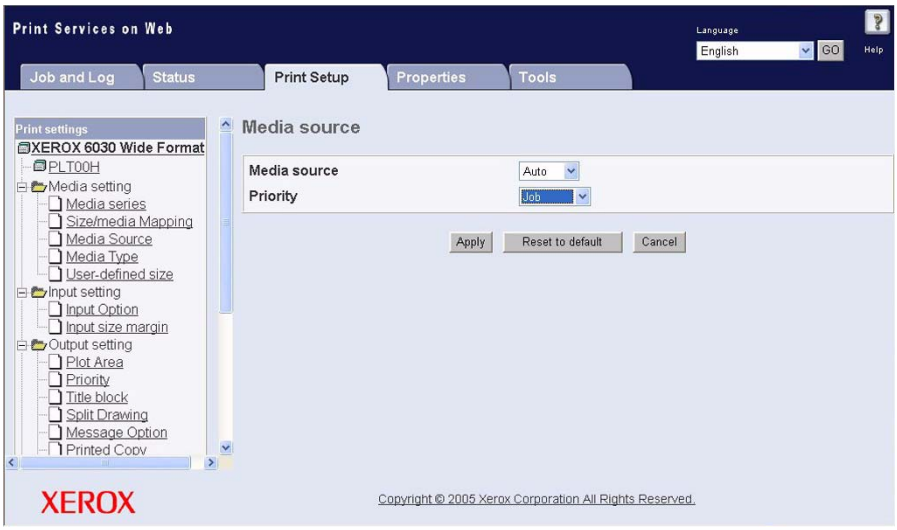
Media Source

This setting determines whether the media will automatically feed from a roll or from the manual feed tray (cut sheet). The priority sequence when automatic selection is specified is [Roll1], [Roll2], [Roll3], and [Roll4], in that order.

Important *The optional (MSI) Multi Sheet Inserter/Manual Feed Unit is required for manual feeding.*



Settings

The settings for this function are as follows.

Menu Item	Description	
Media Source	[AUTO]	Automatically selects the appropriate media from the feed trays.
	[MANUAL]	Feeds from the manual feed tray.
	The default setting is [AUTO].	
Priority	[JOB]	The paper tray command in the print data takes priority.
	[Controller]	The setting made on the printer control panel takes priority.
	The default settings is [JOB].	

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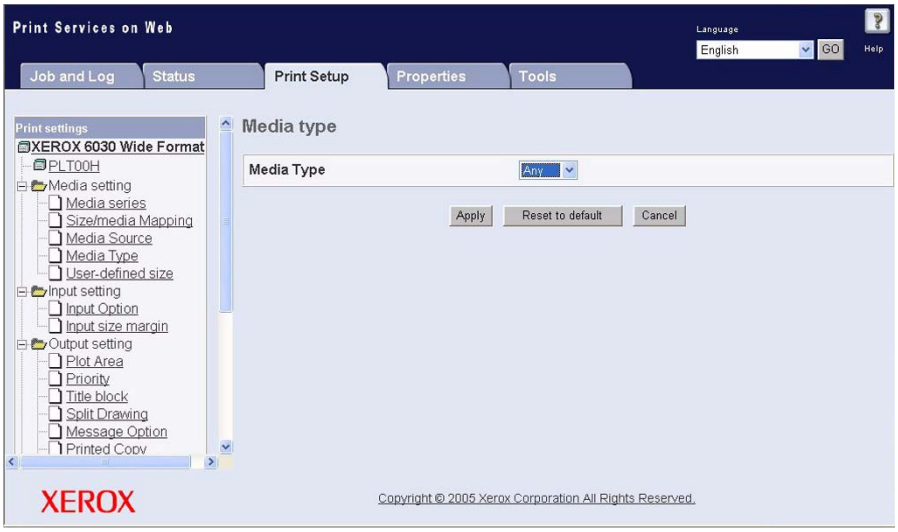
Media Type

Determines the default media type selection for printing. This setting is valid when a different type of media of the same size is loaded in the printer. [ANY] is set for this under normal circumstances.

Note *When the media type specification command is already set up in the job data from the host, the host command has priority.*



Settings

The settings for this function are as follows.

Menu Item	Description
Media Type	Selects the media for printing. The available selections include [ANY], [BOND], [VELLUM], and [FILM]. The default setting is [ANY].

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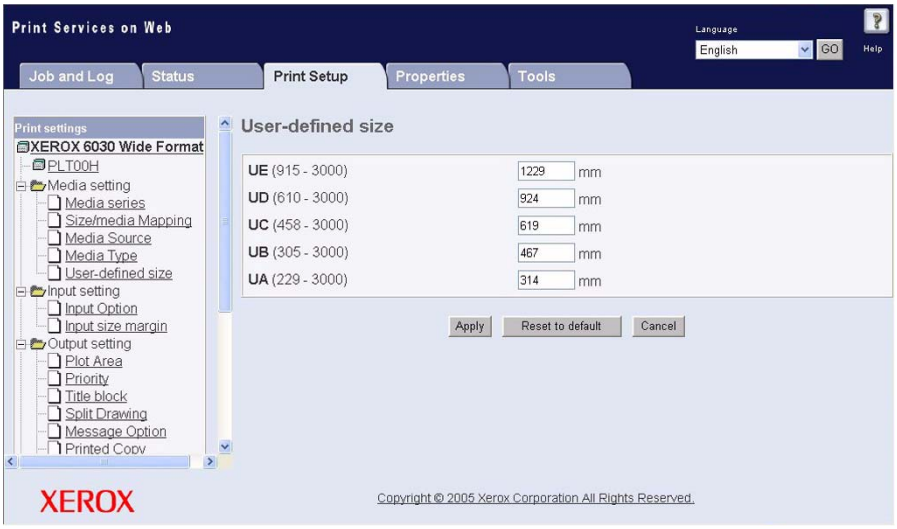
User-Defined Size

The user-defined sizes are used for printing long images and non-standard size media.
User-defined sizes can be specified for each standard size. It is possible to uniformly output all images that exceed the standard sizes but are within the specified user-defined sizes.

Note *The user-defined sizes are only valid when the [Paper Size] selection on [Output Option] is set to [AUTO].*



Settings

The settings for this function are as follows.

Menu Item	Description
Media Name (fixed)	The name of the media with the user-defined size. The media name will differ based on the [Input size] parameter which is set up for the Media series. Refer to the table on the following page.
Length	Sets up the length of the user-defined media. Refer to the table on the following page for the range in which the sizes can be set.

Refer to *Refer to the section on "Media Series" for further details on paper groups.*

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Input Option

Sets up the input image size. Two judgment methods are available for input image size.

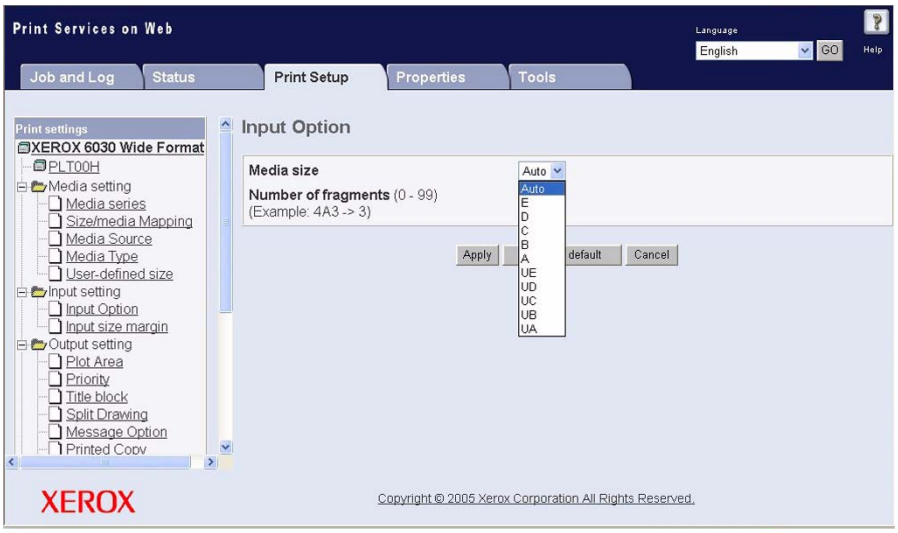
- Automatic (AUTO)

Calculates the coordinates of the input image and automatically determines the nearest media size.

- Specify Size

Enables the user to manually select the media size of the input image. The media size can be selected from standard sizes and user-defined sizes.

This option is usually set to [AUTO]. However, the media size can be specified manually if the size of the print is to be restricted to a fixed size. Any part of the image that exceeds the size of the specified media will be cut off.



Settings

The settings for this function are as follows.

Menu Item	Description
Media Size	This parameter can be selected from either [AUTO] or one of the listed media sizes. The default setting is [AUTO]. The media size selections will differ based on the [Input size] parameter that is set up for the Media series.

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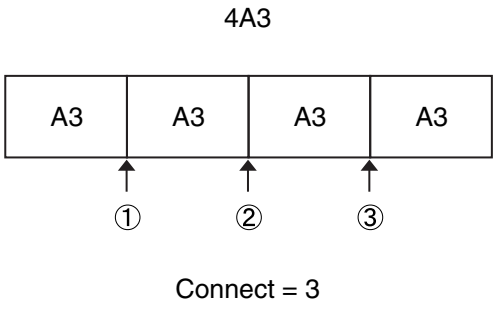
Menu Item	Description
Number of Fragments	Sets up the number of copies to be printed consecutively in a range from 0 to 99 when [Size] has been set to [AUTO]. The default setting is [1]. A value that subtracts 1 from the length of the standard size will be set for [Connect]. For example, in the event of 4A3, 3 will be set for the [Connect].

Refer to *Refer to the section on "Media Series" for further details on paper groups.*



Connect = 3

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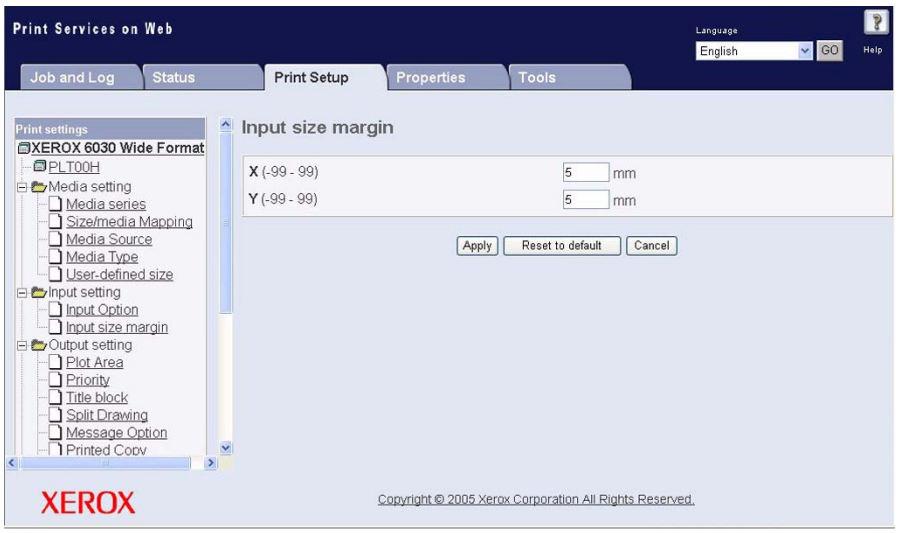
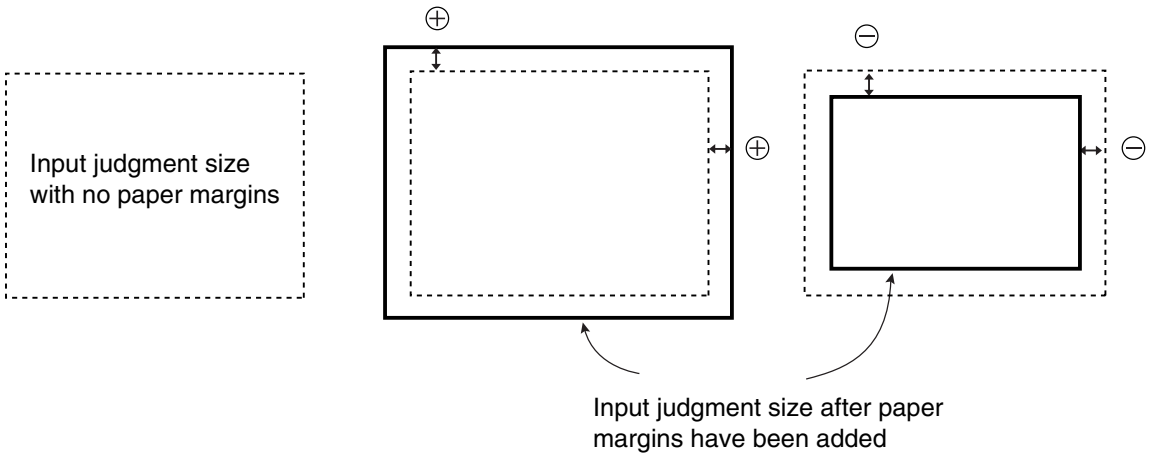
Input Size Margin

Specifies the top, bottom, left, and right margin settings for determining input sizes.
Plus (+) values represent margins outside of the media size, and minus (–) values represent margins inside the media size. The size that includes (excludes) these margins is established as the input judgment size.

Note *These settings are only valid when the [Input Options] - [Size] parameter is set to [AUTO].*





Settings

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The settings for this function are as follows.

Menu Item	Description
X	Sets the left and right margin values within a range of –99 to 99 mm. The default settings is [5 mm].
Y	Sets the lead and trail margin values within a range of –99 to 99 mm. The default settings is [5 mm].

Example

The media margin settings are determined according to the following for input data consisting of 300 x 420 mm.

MEDIA MARGIN	Input Judgment Size	Description
When both X and Y have been set to +10 mm	A3: 307 × 430 mm A2: 430 × 604 mm	Because the input data is smaller than A3, the A3 size is determined. When printing is performed on A3 media (297 × 420), 3 mm of data width will be cut.
When both X and Y have been set to –10 mm	A3: 287 × 410 mm A2: 410 × 584 mm	Because the input data is larger than A3, the A2 size is determined. When printing is performed on A2 paper (420 × 594), a margin will be located at the top, bottom, left and right.

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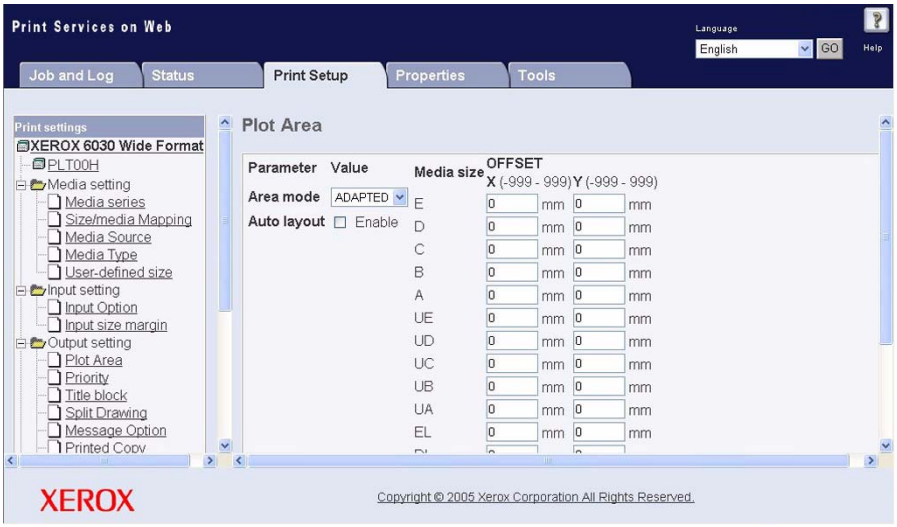
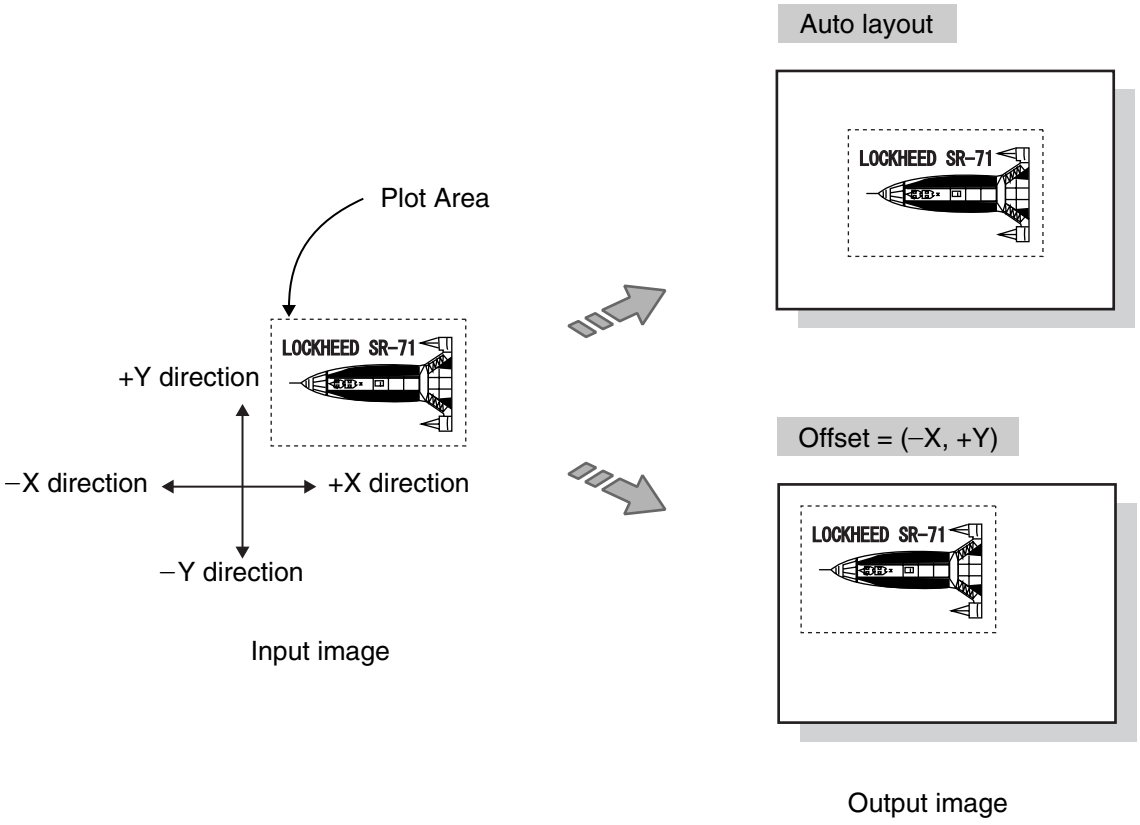
Plot Area

Enables the print range (the plot area) to be specified based on the input image information. The plot area can be set up so that the image prints in the center of the media (Auto Layout) or is offset (Set Offset Value). If part of the image overlaps the margin when offset is specified, it will be cut off.





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Settings

The settings for this function are as follows.

Note *The plot area cannot be set up for TIFF and CALS data. Only the auto layout function can be set for them.*

Menu Item	Description
Area Mode	Sets the range to be printed at [ADAPTED], [FIXED], [IP], [IW], [RASTER], or [FIRST]. The default setting is [ADAPTED]. See the next page for more details. Note •[IP] and [IW] can be set for HP-GL data only. •[RASTER] can only be set for HPGL data if the [PS COMMAND] has been set to [Ignore]. •The PS command takes priority if [Ignore] has not been set.
Auto Layout	Sets up the centering function. The default setting is [ENABLE]. [ENABLE] Centers the image. [DISABLE] Does not center the image.

When [DISABLE] is selected for [Auto Layout], specify the desired offset value for the media size to be used.

Menu Item	Description
Media size (fixed)	The media size for determining the position of the offset. The media size displayed will differ in accordance with the [Output Size] setting in [Media Series].
OFFSET X	Sets the amount of offset to the right and left. The offset value can be set within a range of –999 to 999 mm.
OFFSET Y	Sets the amount of offset up and down. The offset value can be set within a range of –999 to 999 mm.

Refer to *Refer to the section on "Media Series" for further details on paper groups.*

For example, if the following settings have been made, an image with an A2 output size will be printed with an offset of 20 mm in the X direction and 10 mm

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in the Y direction.

Size	OFFSET	
	X (–999 to 999)	Y (–999 to 999)
A0	0 mm	0 mm
A1	–10 mm	10 mm
A2	20 mm	10 mm
A3	0 mm	0 mm
A4	0 mm	0 mm

Descriptions of Area Mode

The area modes are described below.

ADAPTED — The data range of the input image is set as the print range (see Fig.1).

FIXED (HP-GL) — The range that encloses the maximum coordinate of the input image and the coordinates that represent the starting point of that coordinate is set as the print range.

FIXED (HP-GL/2) — The range that encloses the maximum coordinate of the input image and a starting point of (0,0) is set as the print range (see Fig.2).

IP AREA — The range specified with the [IP Command] is set as the print range (see Fig.3).

IW AREA — The range specified with the [IW Command] is set as the print range (see Fig.3).

RASTER — The range that corresponds with the input size specified with the [Destination Raster] command is set as the print range.

FIRST — Only the first quadrant area is set as the print area (see Fig.4).
Images located in areas outside of the first quadrant area will not be printed (see Fig.5).

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Fig.1. (ADAPTED)

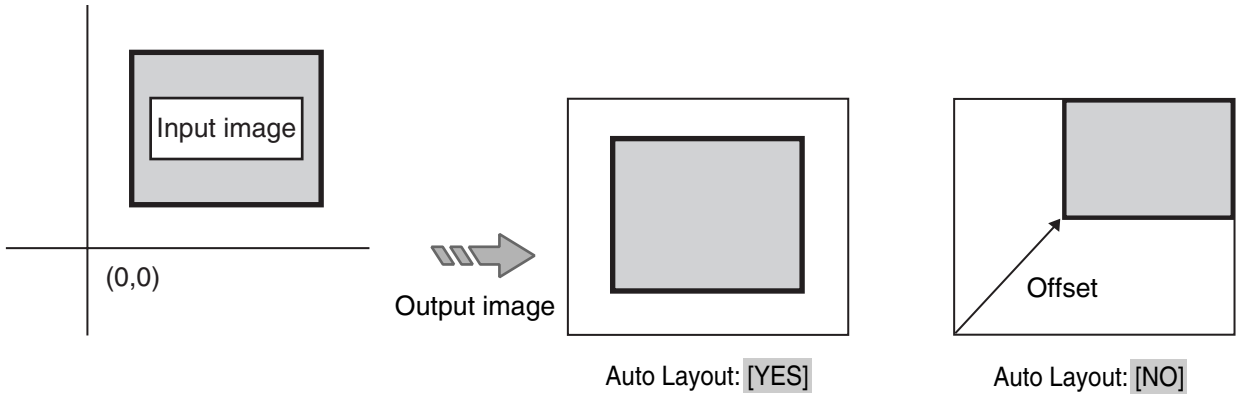

Fig.2. (FIXED)

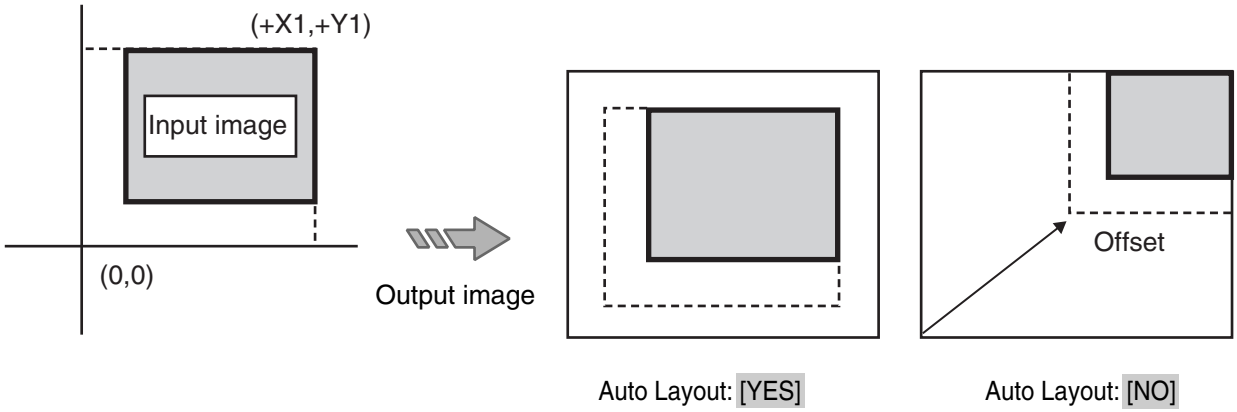

Fig.3. (IP AREA and IW AREA)

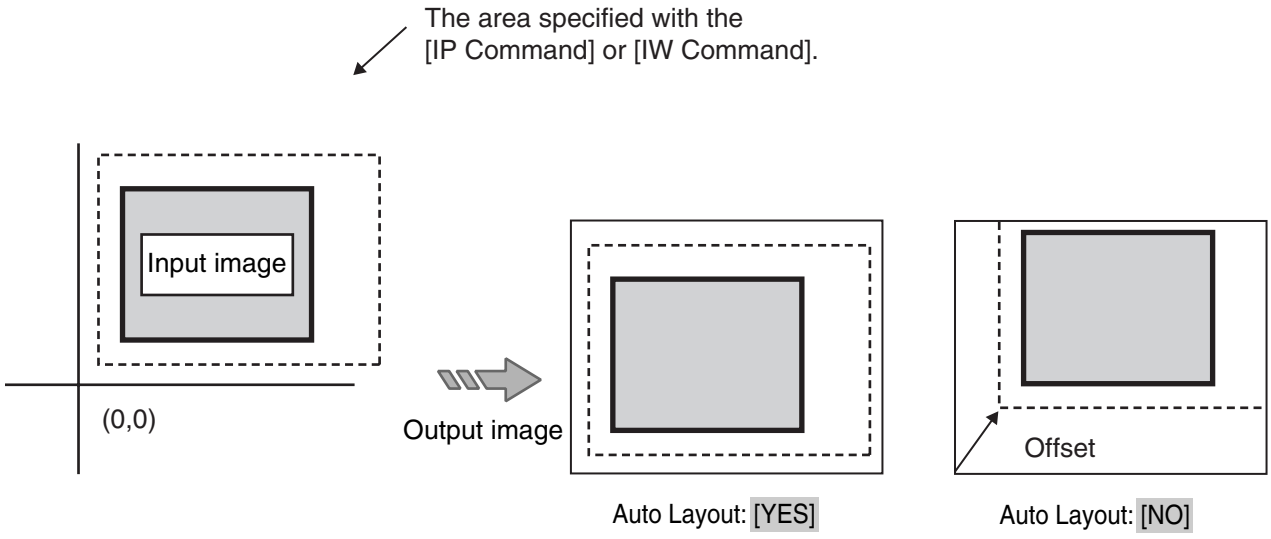

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Fig.4. (FIRST)

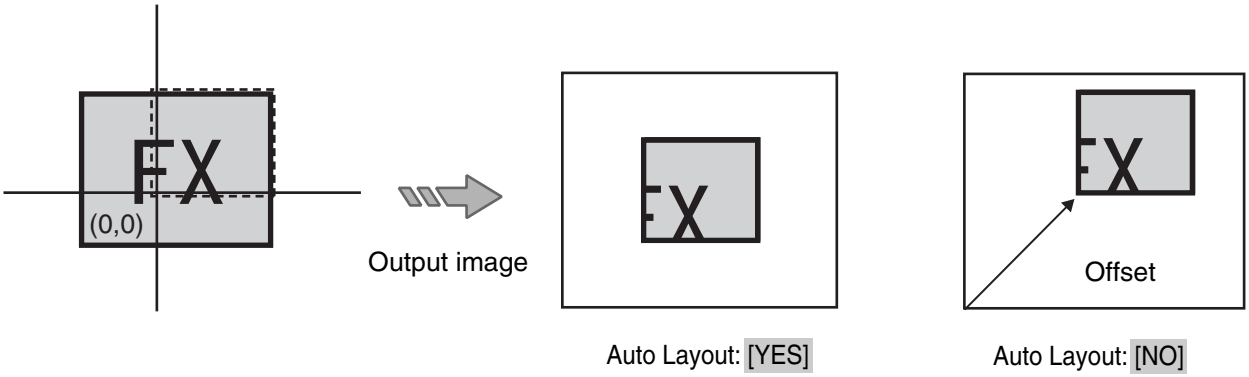
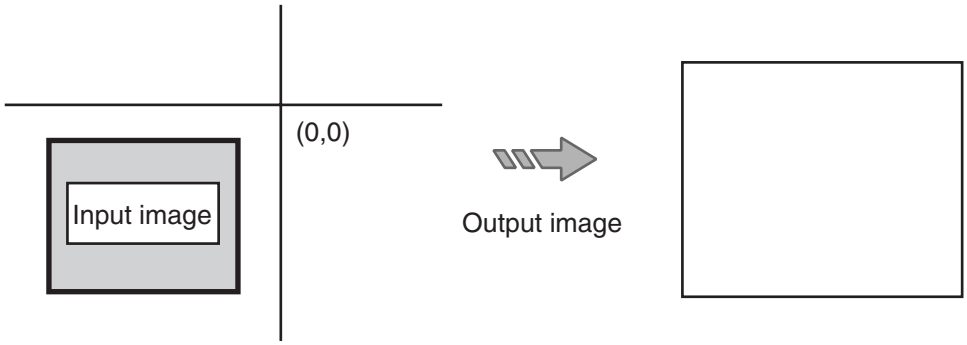


Fig.5. (FIRST)



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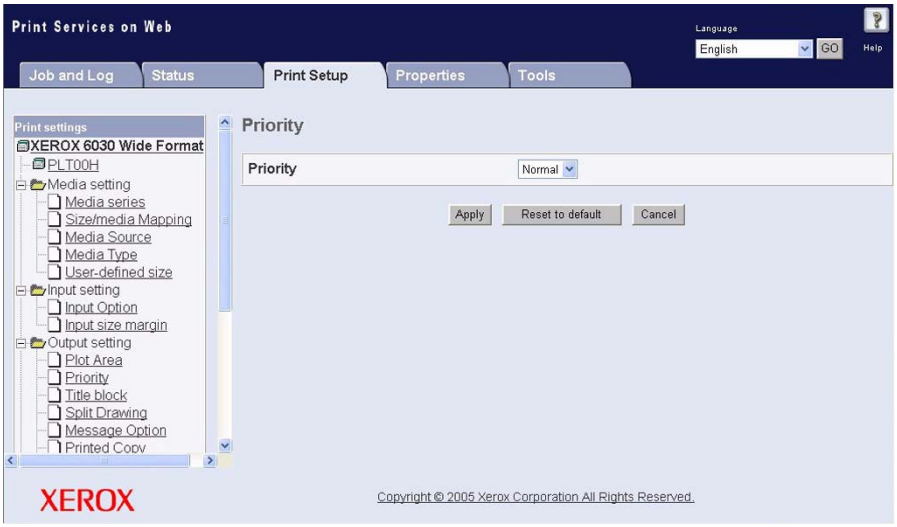
Priority

Sets up the printing priority. This function increases the priority of a job to print it out sooner when the job queue is congested.



Settings

The settings for this function are as follows.

Menu Item	Description
PRIORITY	Sets one of the following as the printing priority. The default setting is [NORMAL]. [LOW] Low printing priority [NORMAL] Normal (standard) printing priority [HIGH] High printing priority

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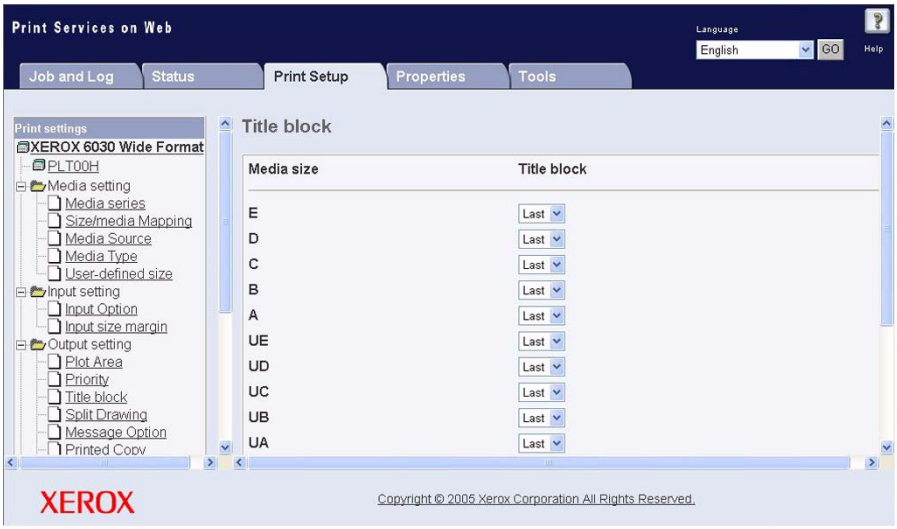
Title Block

The setting determines whether or not to rotate images 180 degrees. This setting is used to change the image orientation to ensure correct folding.



Settings

The available settings are as follows.

Menu Item	Description
Media Size	Determines whether or not to rotate images for each media size. Displays the media sizes that are selected in [Output size] under [Media series].
Title Block	The setting determines whether or not images will be rotated. The default setting is [Last]. [Last] Does not rotate images. [First] Rotates images 180 degrees.

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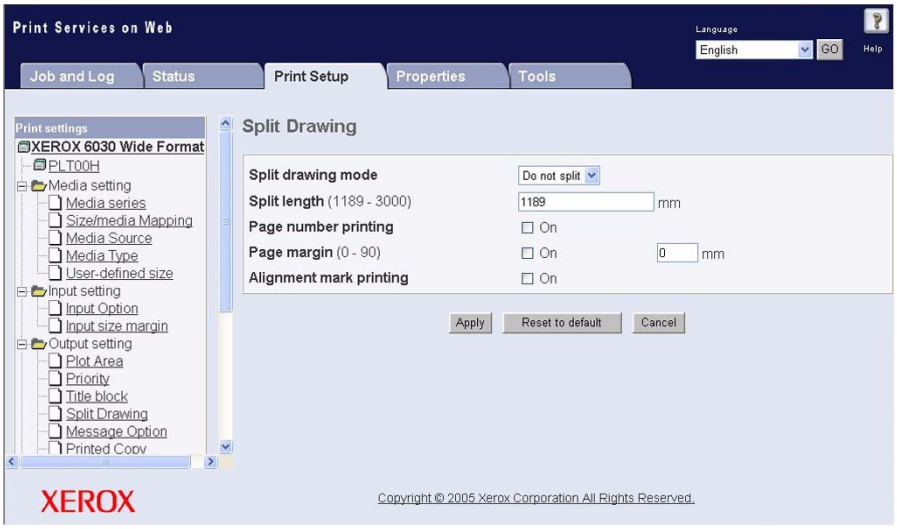
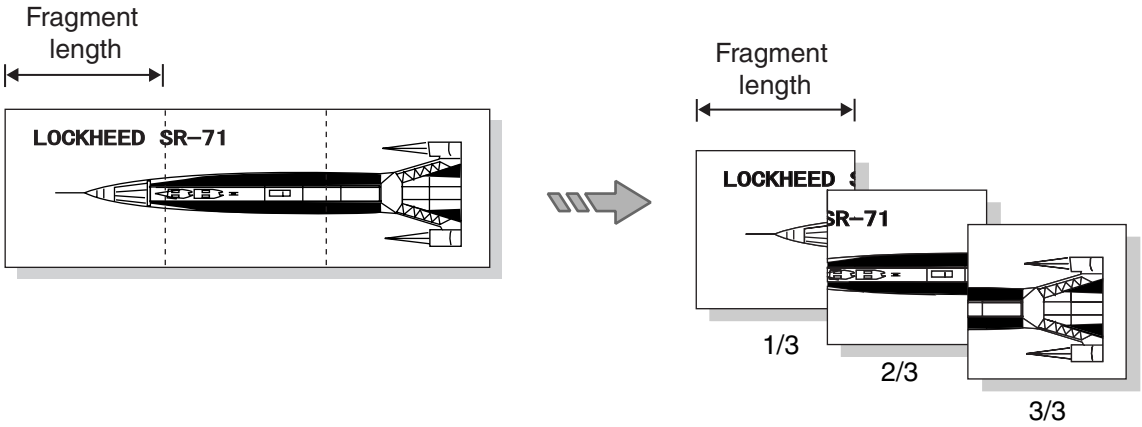
Split Drawing

When an image exceeds 1,189mm in length, it can be split (fragmented) and printed in sections. This function also enables you to add positioning marks on each split section. A maximum of 30 such sections is possible.





Settings

The settings for Split Drawing are as follows.

Item	Description
Split drawing mode	Set to either [Do not split] or [Split]. The default setting is [Do not split].
Split length	Sets the print length within a range of 1,189 to 3,000 mm. The default settings is [1,189 mm].
Page number printing	Determines whether or not a page number will be printed. The page number will be printed in the format [present page number:total number of pages]. The default setting is [Off].

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Item	Description
Page margin	Determines whether or not the page margin will be present, and sets the margin where the pages are joined within a range of 0 to 90 mm. The default settings is [0 mm].
Alignment mark printing	Determines whether or not to print positioning marks. The default setting is [OFF].

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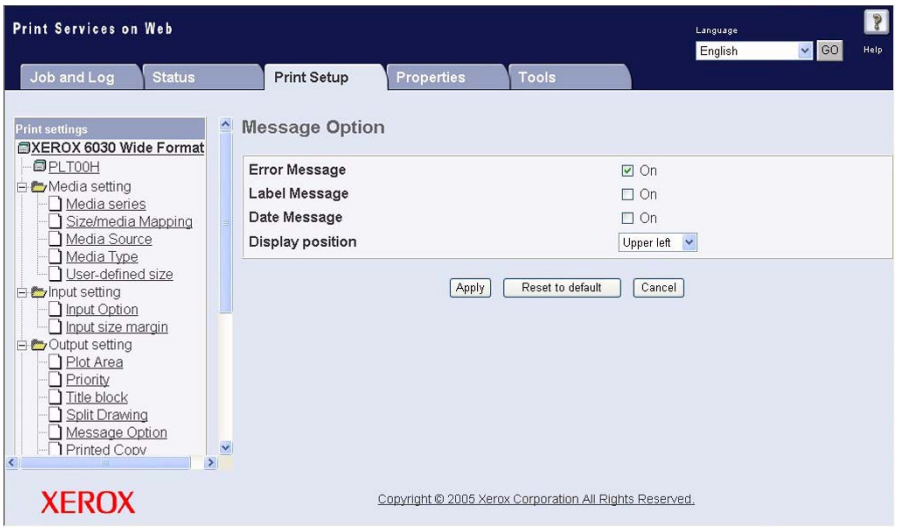
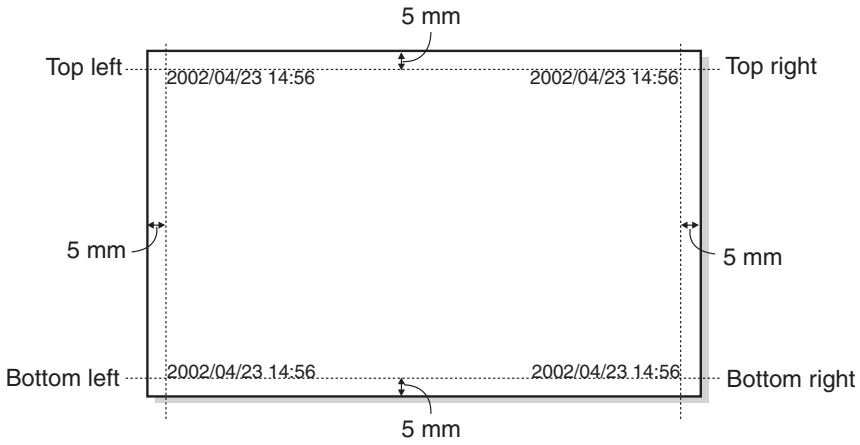
Message Option

Determines whether or not to print error messages, label messages, and date messages on the print. The size of the characters used in the messages is fixed at a height of 2 mm regardless of the enlargement or reduction.





Settings

The settings are as follows.

Menu Item	Description
Error Message	Determines whether or not to print error messages. The default setting is [ON].
Label Message	Determines whether or not to print label messages. The default setting is [OFF].

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Menu Item	Description
Date Message	Determines whether or not to print date messages. The default setting is [OFF]. The date format is [Year/Month/Day Hour:Minutes]. Example: [2006/01/02 14:56]
Display Position	Sets up the location where the message(s) will be printed. [Upper left] Prints the message(s) at the top left-hand corner of the page. [Lower right] Prints the message(s) at the bottom right corner of the page. [Lower left] Prints the message(s) at the bottom left corner of the page. [Upper right] Prints the message(s) at the top right corner of the page. The default setting is [Upper left].

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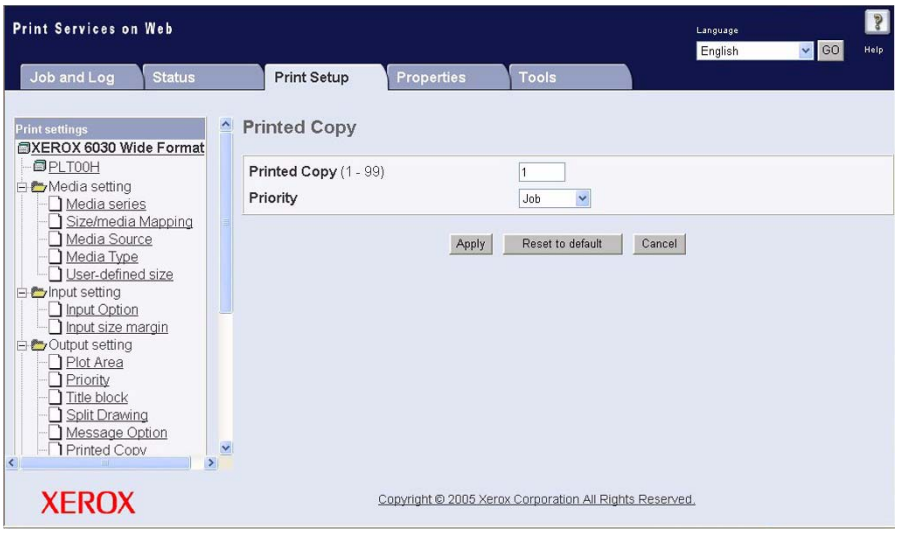
Printed Copy

Sets up the default number of copies to be printed.



Settings

The settings for this function are as follows.

Note *The [Priority] parameter can only be set for Versatec data.*

Menu Item	Description	
Printed Copy	Sets up the number of copies to be printed, in a range from 1 to 99. The default setting is [1].	
Priority	[JOB]	The copy count command in the job data takes priority.
	[Controller]	The setting made on the printer control panel takes priority.
	The default setting is [JOB].	

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Output Option

Sets up the output size. The following two judgment methods are available for output image size.

- Automatic (AUTO, OTHER, MIX, MIX2)

Determines the most suitable output size based on the input size and the size mapping table. It also determines the roll media size to use based on the output size and the media mapping table (or automatically.)

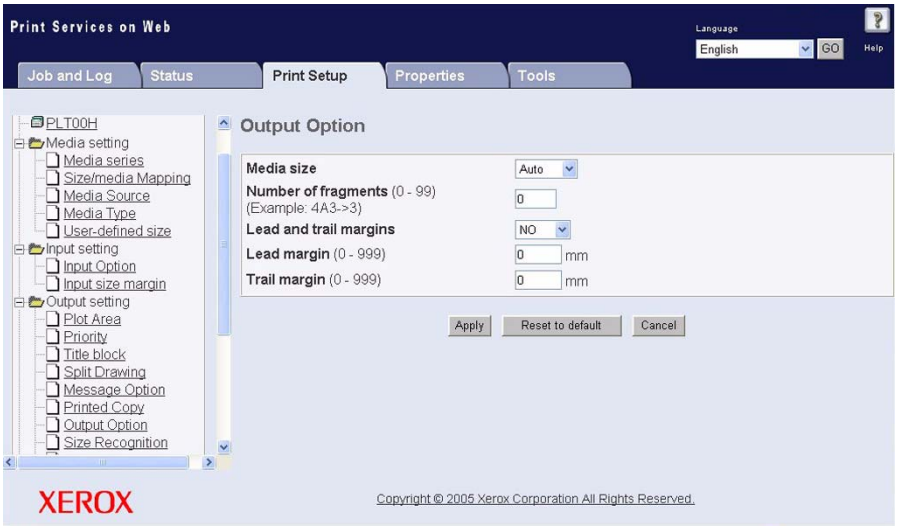
- Specify Size

Enables the media size of the input image to be entered directly. The media size can be selected from standard sizes and user-defined sizes.

This is usually set to [AUTO]. However, it is possible to specify the media size if the same size will be used for all jobs.
The image will be enlarged or reduced if the input size and output media size are different.

Note *The image will not be enlarged or reduced if the [Auto Scale] selection has been set to [NO] for the [Transform] function.*

Refer to *Refer to "Size/Media Mapping" for more information about size and media mapping.*



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Settings

The settings for this function are as follows.

Menu Item	Description
Media Size	This parameter can be selected from [AUTO], [OTHER], [MIX], [MIX2], or any of the standard media sizes. The default setting is [AUTO]. [AUTO] The standard shape priority mode. If the length of the document exceeds the standard size, the media is cut to the standard shape that has been increased in length. [OTHER] Synchronized cutting is performed on all images. [MIX] If images that are smaller than the A0 size exceed the standard size, the media is cut to the standard size that has been increased in length. Synchronized cutting is performed on all images that exceed the A0 size. [MIX2] If images that are smaller than the A0 size exceed the standard size, synchronized cutting is performed on all images. The selection items for the media size will differ in accordance with the [Input size] parameter set for the Media series.

Note
- *Synchronized cutting is where the media is cut to the non-standard size that matches the length of the image.*
- *All printing is carried out on roll media when [OTHER] has been selected.*
- *Refer to the section on "Media Series" for further details on paper size series.*

Menu Item	Description
Number of Fragments	Sets the number of copies to be printed consecutively in a range from 0 to 99 when [Paper Size] has been specified. The default setting is [0]. A value that subtracts 1 from the length of the standard size will be set for [Connect]. For example, in the event of 4A3, 3 will be set for the [Connect].
Lead and Trail Margins	Specifies whether or not margins will be added. The default setting is [No]. [NO] No margins will be added. [ALL] Top and bottom margins will be added to all data. [LONG] Top and bottom margins will be added to long images.
Lead Margin	Sets the top margin in a range from 0 to 999 mm when the [Margin] parameter is set to [ALL] or [LONG].
Trail Margin	Sets the bottom margin in a range from 0 to 999 mm when the [Margin] parameter is set to [ALL] or [LONG].

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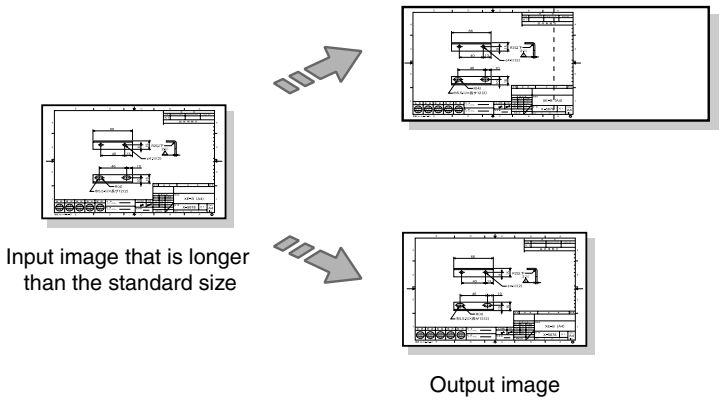
- Media Size



Input image that is longer than the standard size

Output image

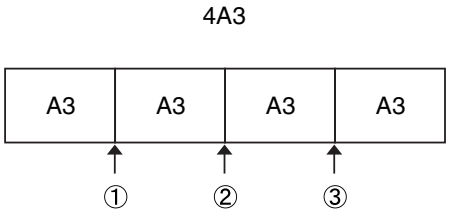
In the case of [AUTO]

Output in a size that is the standard shape increased in a multiple of integers.

In the case of [OTHER]

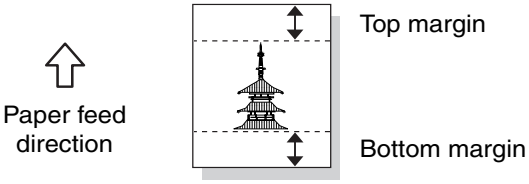
The same size as the input image is output.

- Connect



Connect = 3

- Margin



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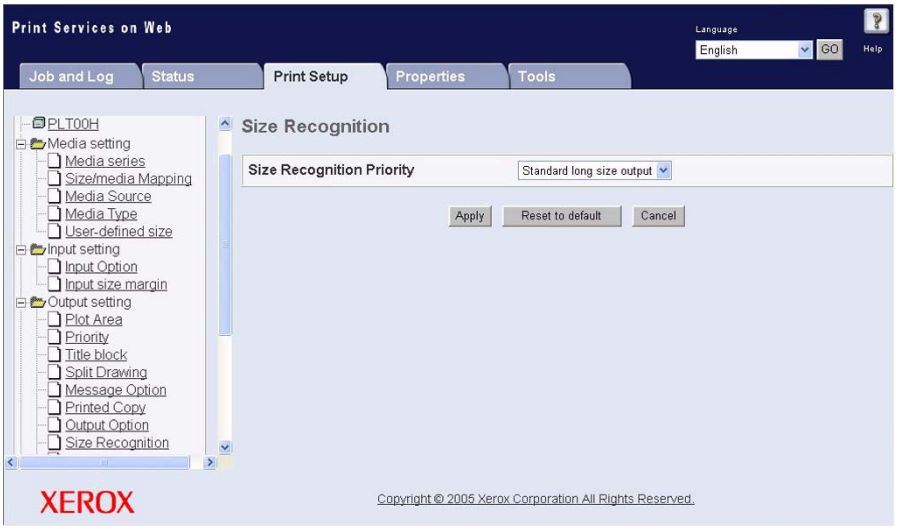
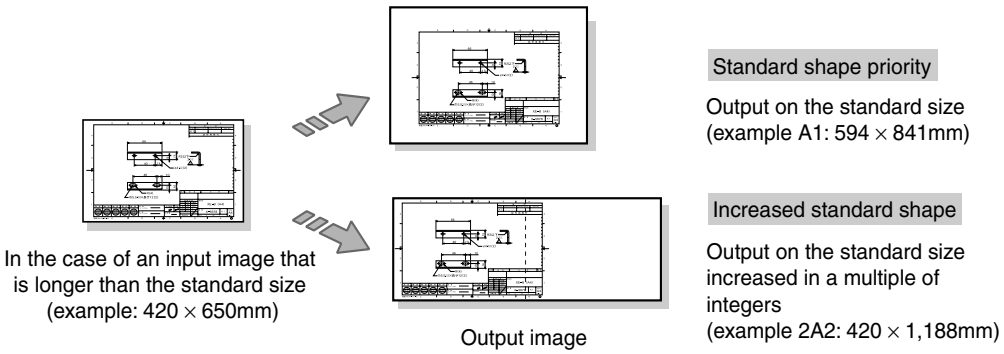
Size Recognition

Size recognition determines whether images that are less that an A0 size in length
(1,189 mm), but that are larger than a standard size, will be printed on media that is one size larger, or on standard size that has been increased in length. This setting is useful when all images will be printed on the same standard size media or on a standard size that has been increased in length.

Note *This setting is only valid when the [Paper Size] selection for [Output Option] is set to [MIX].*




In the case of an input image that is longer than the standard size (example: 420 × 650mm)
Output image
Standard shape priority
Output on the standard size (example A1: 594 × 841mm)
Increased standard shape
Output on the standard size increased in a multiple of integers (example 2A2: 420 × 1,188mm)

Settings

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The settings for this function are as follows.

Menu Item	Description	
Size Recognition	Sets up the size recognition priority mode. The default value is [Standard long size output].	
	[Standard long size output]	Outputs images that are within the A0 size, but exceed the standard size, on one size larger standard shape paper.
	[Priority to standard size]	Prints images that are within the A0 size, but exceed the standard size, on standard width media that has been increased in length.

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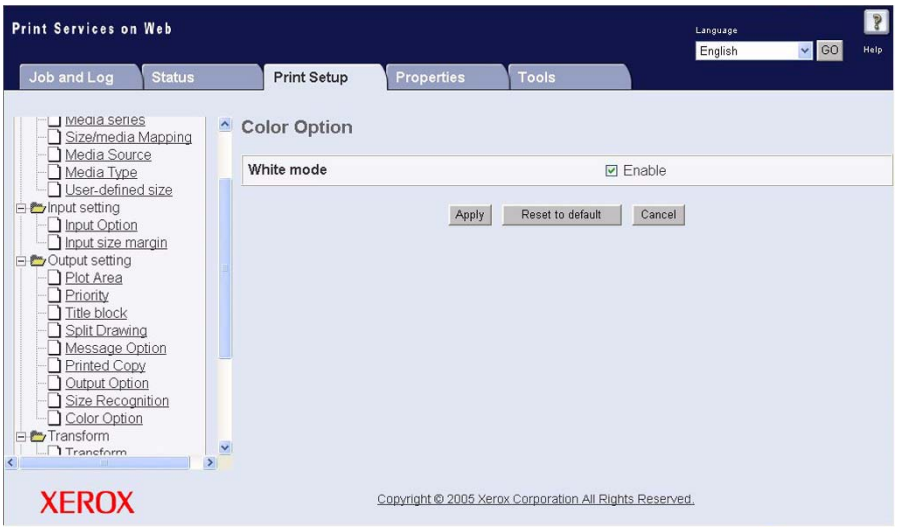
Color Option

Sets the pen drawing color at a specified density or at black when a color command other than black is specified.

Note *This setting is only valid for HP-GL and Versatec data.*



Settings

The settings for this function are as follows.

Menu Item	Description
White Mode	Determines how lines will be drawn when the image information specifies a color other than black. [ENABLE] Draws lines with pens of varying densities that correspond to the specified colors. Can draw visible lines on a black background. [DISABLE] Draws all lines with the black pen. Lines are not visible when they are drawn on a black background. The default setting is [ON] for HP-GL; [OFF] for Versatec.

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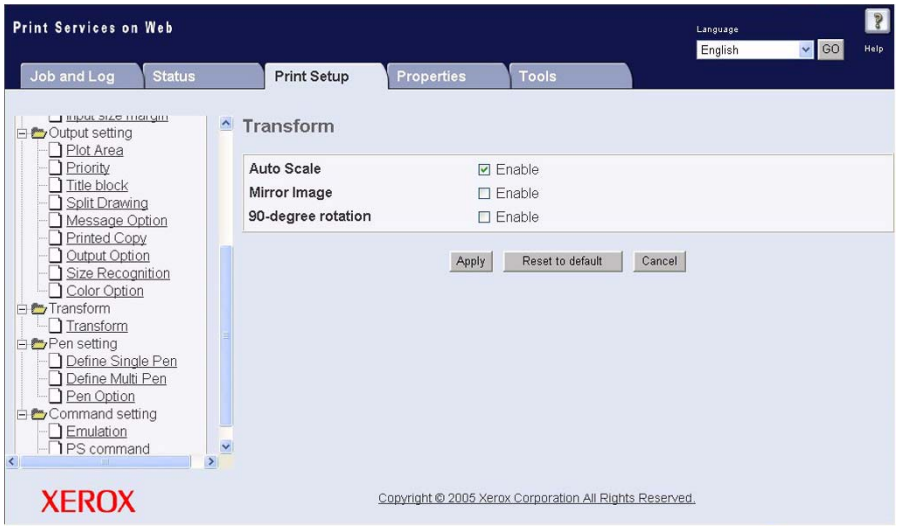
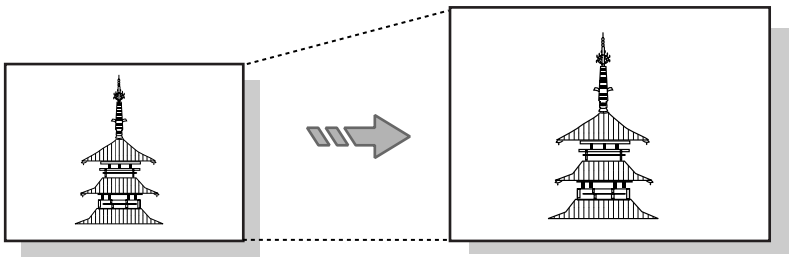
Transform

Enables or disables the auto scale (automatic enlargement/reduction), mirror image, and 90-degree rotation functions.

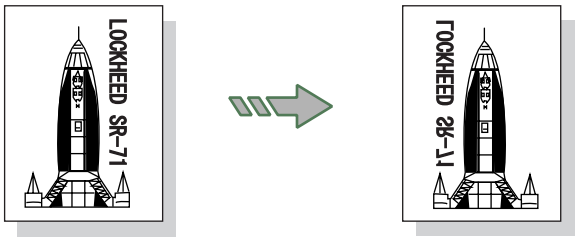


Auto Scale



Input image Output image

Mirror Image



Input image Output image

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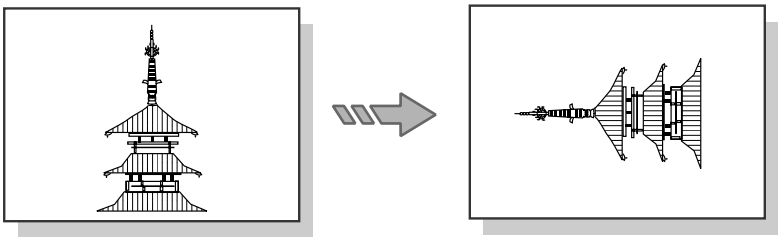
90-degree Rotation



Input image　　Output image

Settings

The settings for this function are as follows.

Menu Item	Description
Auto Scale	Determines whether or not to automatically enlarge or reduce sizes when the input size and output size are different. The default setting is [ENABLE]. [ENABLE] Automatically enlarges or reduces the size of the image to match the output size. [DISABLE] Outputs the image at the same size regardless of the output size. Note *The image will be output at the same size, even when enlargement/reduction has been set for size mapping with [Auto Scale] to [OFF].*
Mirror Image	Determines whether or not to perform mirror image processing on the output image. The default setting is [DISABLE]. [ENABLE] Performs mirror image processing of the output. [DISABLE] Outputs the image without mirror image processing. Note *The settings specified at the host take priority.*
90-degree rotation	Determines whether or not the output image will be rotated by 90 degrees. This setting is used when rotation has been specified manually. The default setting is [DISABLE]. [ENABLE] Rotates the output image by 90 degrees. [DISABLE] Outputs the image in the normal manner. Note *This setting is only valid when the [Media Size] parameter of [Input Option] is set to anything other than [Auto].*

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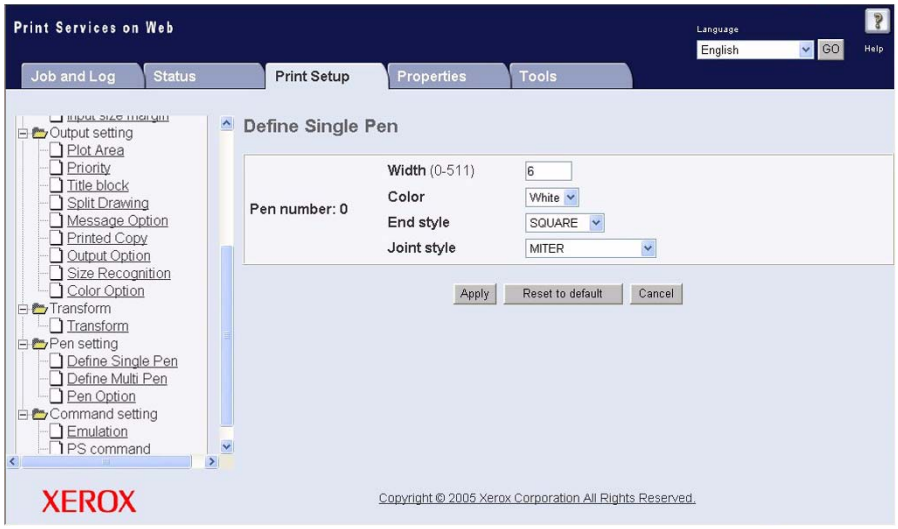
Define Single Pen

Defines the width, color, end style, and joint style pen attributes for HP-GL data.

Click the [Change] button to edit the attributes of a pen.
The screen below will display.
Click [Apply] to save your changes.



Settings

The settings for this function are as follows.

Menu Item	Description
Pen No.	Sets up the pen number, in a range from 0 to 98.

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Menu Item	Description
Width	Sets the line width in a range from 0 to 511, where a setting of 1 = 0.0635 mm. The actual width of the line will be n × 0.0635, with the line width set to n. The default setting is [2]. Important *Lines may be printed in patches if the width is set to [1].*
Color	Sets the line color to [BLACK] or [WHITE]. The default setting is [BLACK].
End style	Sets the end of the line to [SQUARE], [ROUND], [EXTEND], or [TRIANGLE]. The default setting is [SQUARE]. Refer to the illustrations on the next page for more details.
Joint style	Sets joint processing for lines to [UNJOINT], [BEVEL], [MITER], [ROUND], [TRIANGLE], or [MITERED/BEVELED]. The default setting is [MITER]. Refer to the illustrations on the next page for more details. Note *This setting is only valid for HP-GL and HP-GL/2 EA, EP, ER, FP, RA, RR, and PE.*

End style

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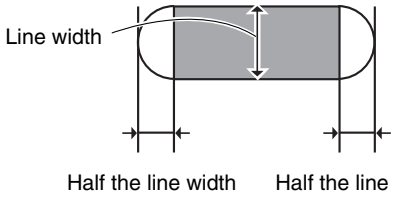
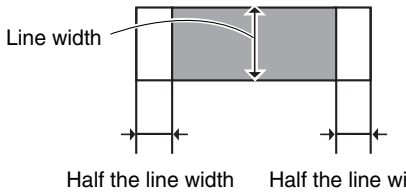
SQUARE

The normal method for ending lines.



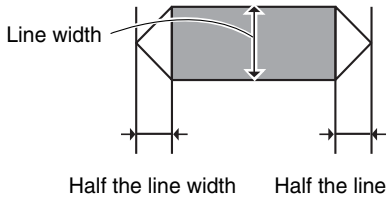
ROUND

Rounds off both ends of the line with a half radius of the line width.



EXTEND

Extends both ends by half the line width.



TRIANGLE

Adds a triangle that is half of the line width in length to both ends of the line.

Joint style

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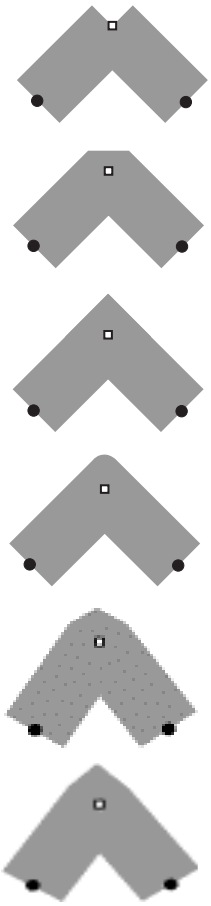

UNJOINT
Does not join the lines.

BEVEL
Joins the outside corner of one line to the outside corner of the other line.

MITER
Extends the outside corners of both lines until they meet in a miter.

ROUND
Rounds off the area where the two lines meet.

TRIANGLE
Extends the joint by half the line width, and connects the top and outer edges of both lines.

MITERED/BEVELED
Extends the joint by the length calculated from the line width and Miter Limit, and connects the top.

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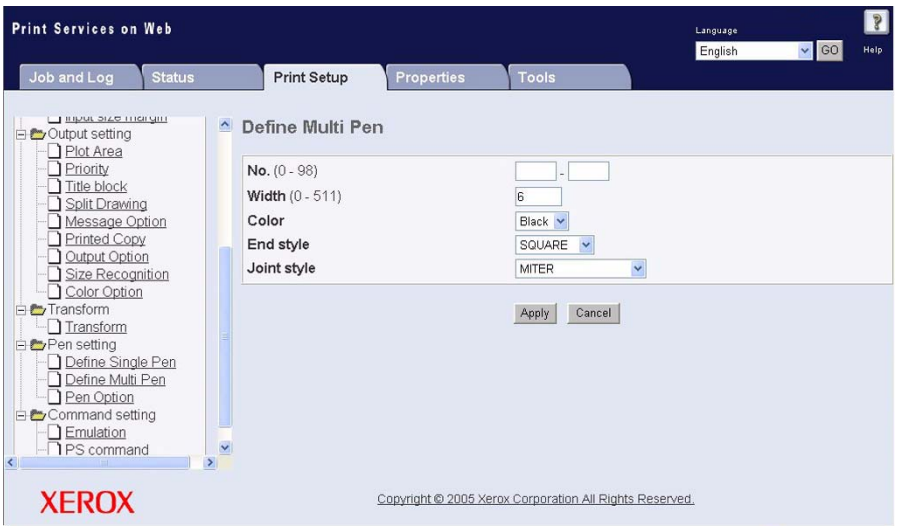
Define Multi Pen

Sets up the line width, color, end style, and joint style pen attributes for HP-GL data for multiple pens. The same parameters will be set for all other pen numbers within the specified range.



Settings

The settings for this function are as follows.

Menu Item	Description
Pen No.	Specifies the starting number and the ending number that cover the range of pens that are to be set up. The pen numbers are set within a range of 0 to 98.
Width	Sets the line width within a range of 0 to 511, where a line width of 1 = 0.0635 mm. The actual width of the line will be n × 0.0635, with the line width set to n. The default setting is [2]. Important *Text may not print cleanly if the line width is set to [1].*
Color	Sets the line color at [BLACK] or [WHITE]. The default setting is [BLACK].
End style	Sets the end of the line to [SQUARE], [ROUND], [EXTEND] or [TRIANGLE]. The default setting is [SQUARE]. Refer to "End style" for further details.
Joint style	Sets joint processing for lines to [MITER], [ROUND], [UNJOINT], [BEVEL], [TRIANGLE], or [MITERED/ BEVELED]. The default setting is [MITER]. Refer to "Joint style" for further details. Note *This setting is only valid for HP-GL and HP-GL/2 EA, EP, ER, FP, RA, RR and PE.*

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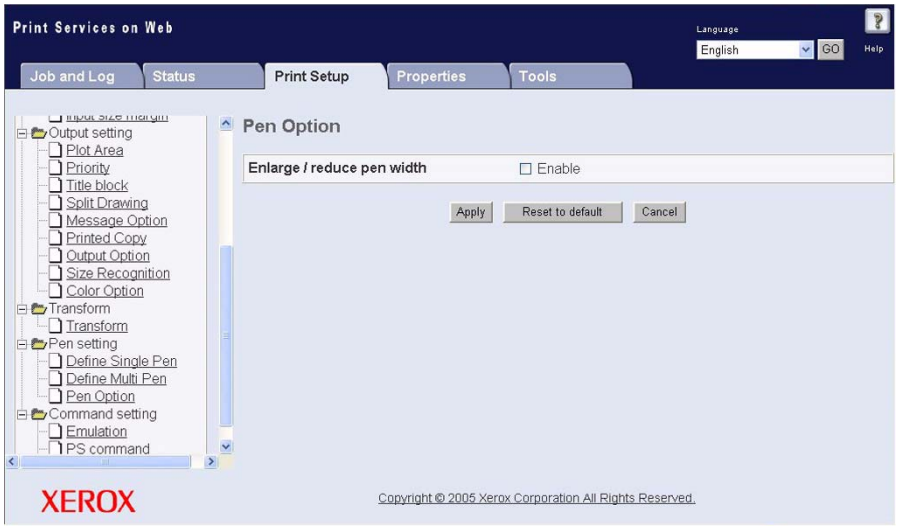
Pen Option

Determines whether or not to change the ratio of the pen thickness based on the enlargement/reduction ratio.

Note *This setting is valid for HP-GL data and Versatec data only.*



Settings

The setting for this function is as follows.

Menu Item	Description	
Enlarge/reduce pen width	[ENABLE]	Changes the pen width based on the enlargement/reduction ratio.
	[DISABLE]	The pen width remains unchanged. The default setting is [DISABLE].

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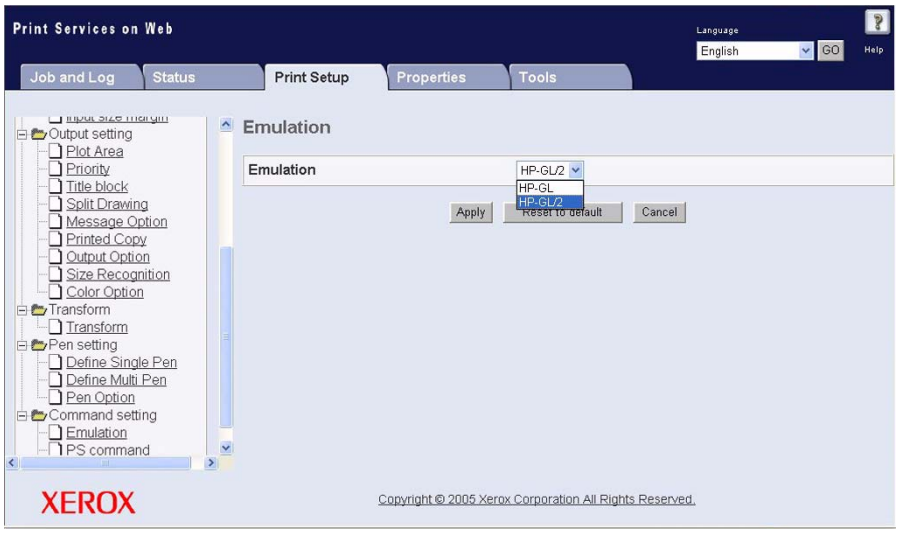
Emulation

Selects the processing language for the HP-GL format only.



Settings

The settings for this function are as follows.

Menu Item	Description
Emulation	Sets the processing language at either [HP-GL] or [HP-GL/2]. The default setting is [HP-GL].

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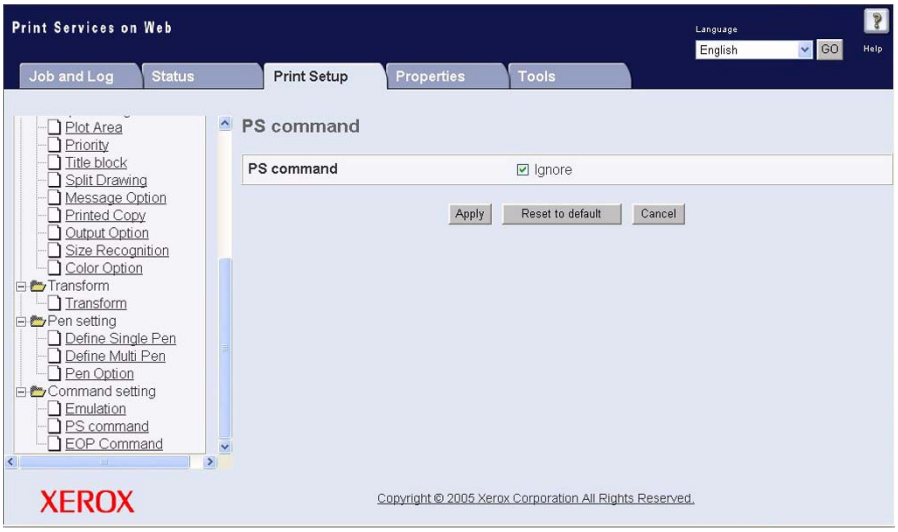
PS Command

Enables or disables the PS command.

Note *These settings are valid with HP-GL data only.*



Settings

The available settings are as follows.

Menu Item	Description
PS command	[DO NOT IGNORE] Enables the PS command. [IGNORE] Disables the PS command. The default setting is [DO NOT IGNORE].

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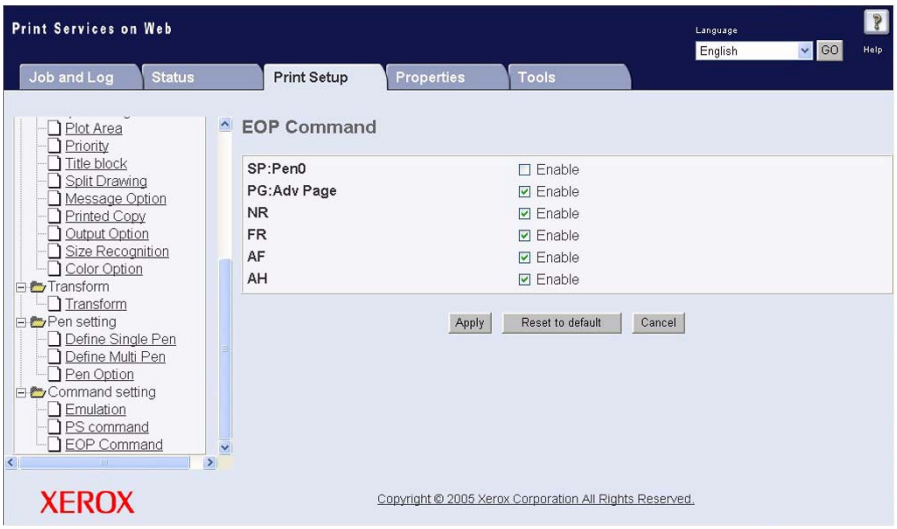
EOP Command

Enables and disables the EOP command for HP-GL data only.



Settings

The settings for this function are as follows. The default value for all parameters is [Enable].

Menu Item	Description
SP:Pen0	Enables or disables the SP:Pen0 command.
PG:Adv Page	Enables or disables the Adv Page command.
NR:	Enables or disables the NR command.
FR:	Enables or disables the FR command.
AF:	Enables or disables the AF command.
AH:	Enables or disables the AH command.

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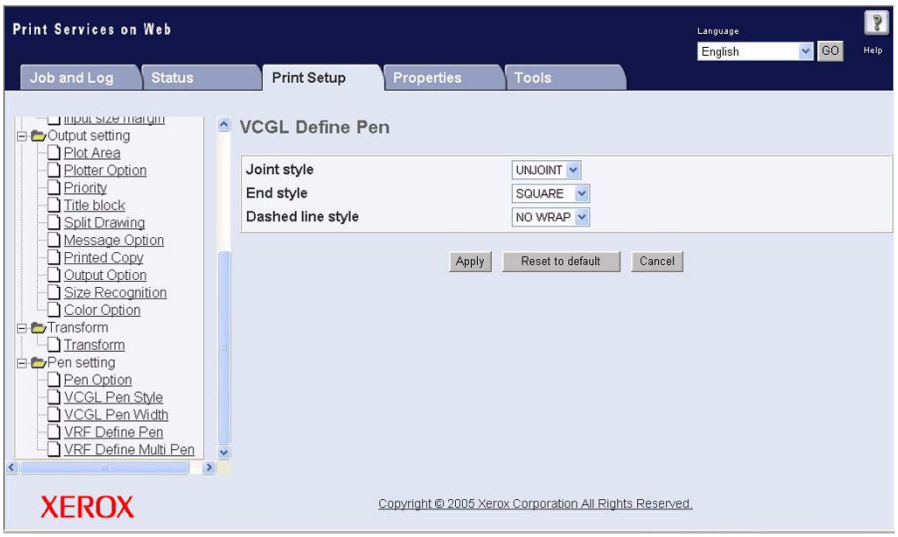
VCGL Pen Style (VCGL Define Pen)

Sets up the pen specifications for VCGL data only.



Settings

The settings for this function are as follows.

Menu Item	Description
Joint style	Sets up the joint processing for lines to [UNJOINT], [BEVEL], [MITER], or [ROUND]. The default setting is [UNJOINT]. Refer to "Joint style" for further details. Note *This setting is only valid when printing poly-lines, polygons and rectangles.*
End style	Sets the end of the line to [SQUARE], [ROUND], [EXTEND], or [TRIANGLE]. The default setting is [SQUARE]. Refer to "End style" for further details.
Dashed line style	Sets broken line processing to [WRAP] or [NO WRAP]. The default setting is [NO WRAP].

Dashstyle

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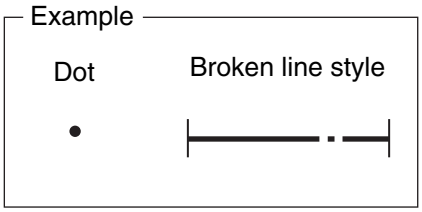

NO WRAP

Each dot represents the start of the broken line.
Lines printed with the use of the broken line style shown in the example will be printed as a non-broken line, as shown in the illustration on the left. This is due to the fact that the dot appears before the line is broken, and this constitutes the starting point for printing another line.

WRAP

Each dot represents the direction in which the broken line must be printed.
Lines printed with the use of the broken line style shown in the example will be printed as shown in the illustration at the left.

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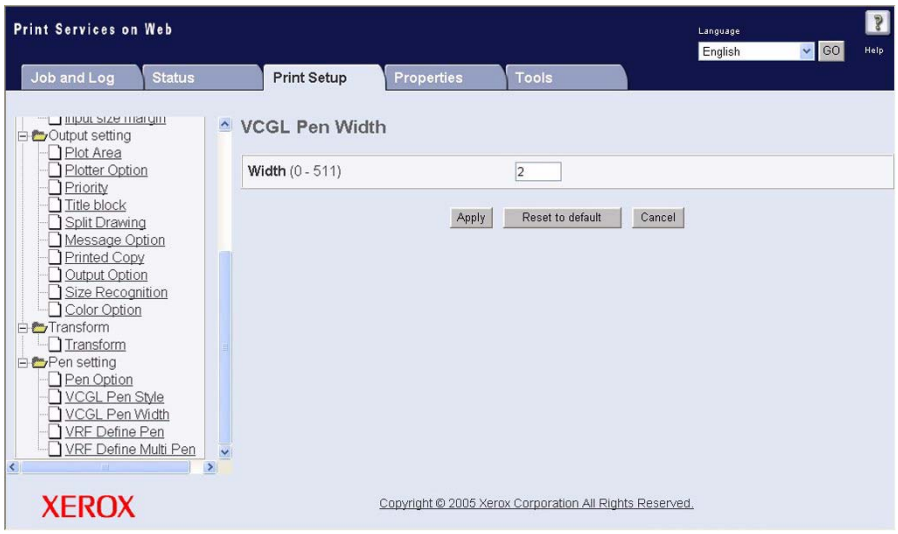
VCGL Pen Width

Sets up the width of the VCGL pen only.



Settings

The setting for this function is as follows.

Menu Item	Description
Width	Sets the line width in a range from 0 to 511. 1 = 0.0635 mm. The actual width of the line will be n × 0.0635, with the line width set to n. The default setting is [2]. Important *Text may not print clearly if the line width is set to [1].*

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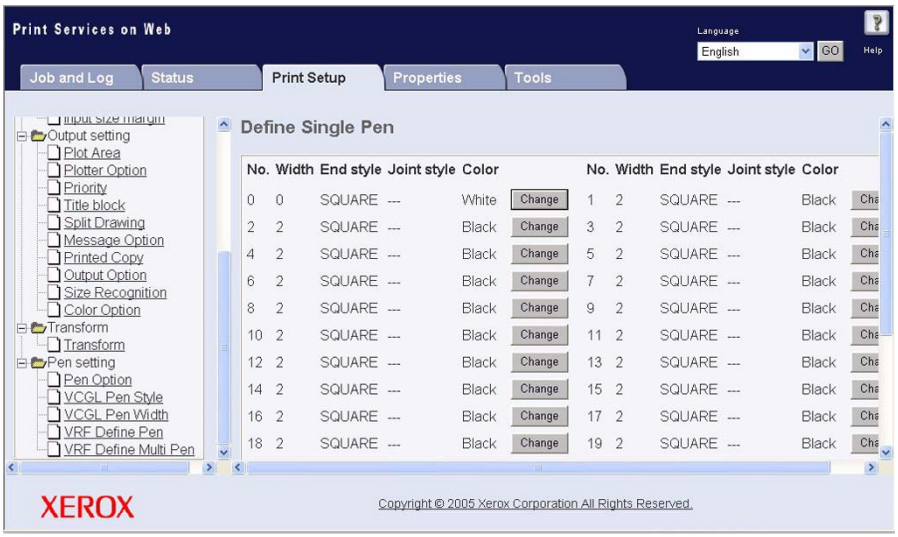
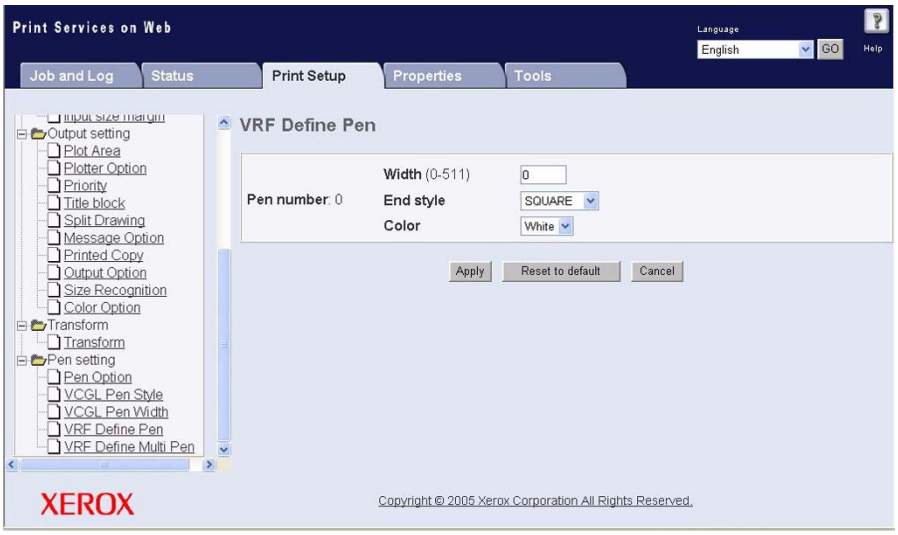
VRF Define Pen (Define Single Pen)

Sets the pen attributes for VRF data only.



Click the [Change] button to define the attributes for a pen.
The VRF Define Pen menus will display on the right side of the screen.



Settings

The settings for this function are as follows.

Menu Item	Description
No.	Sets the pen number within a range of 0 to 31.
Width	Sets the line width in a range from 0 to 511. 1 = 0.0635 mm. The actual width of the line will be n × 0.0635, with the line width set to n. The default setting is [2]. Important *Text may not print clearly if the line width is set to [1].*

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Menu Item	Description
End style	Sets the end of the line to [SQUARE], [ROUND], [EXTEND], or [TRIANGLE]. The default setting is [SQUARE]. Refer to "End style" for further details.
Color	Sets the line color to [BLACK] or [WHITE]. The default setting is [BLACK].

Note *Although it is also possible to set the [Width] from Print Services on Web, the width data included in the VRF data take priority, and any changes on the Print Services on Web screen will have no effect on the output.*

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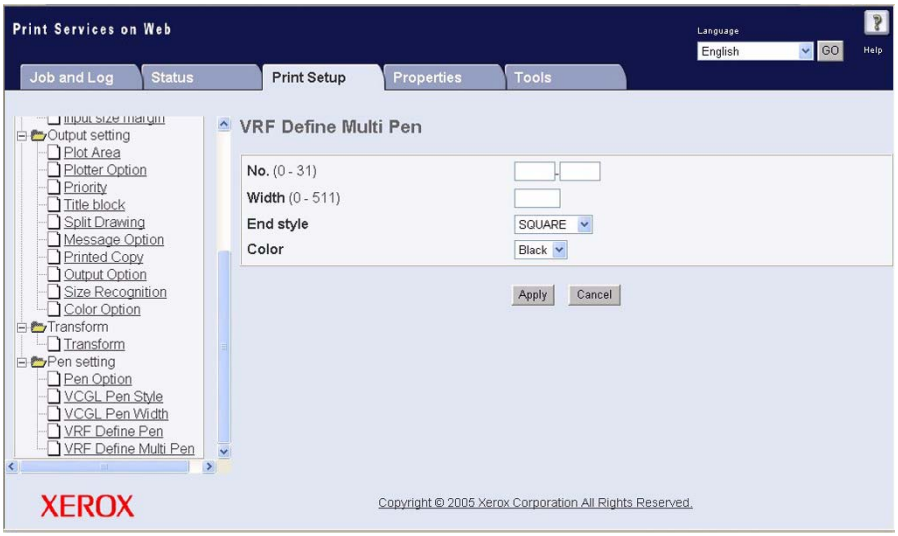
VRF Define Multi Pen

Sets the pen attributes for multiple pens for VRF data only. The same parameters will be set for all other pen numbers within the specification range.



Settings

The settings for this function are as follows.

Menu Item	Description
Pen No.	Specifies the starting number and ending number that cover the range of the pens that are to be set up. The pen numbers are set within a range of 0 to 31.
Width	Sets the line width in a range from 0 to 511. 1 = 0.0635 mm. The actual width of the line will be n × 0.0635, with the line width set to n. The default setting is [2]. Important *Text may not print clearly if the line width is set to [1].*
End style	Sets the end of the line to [SQUARE], [ROUND], [EXTEND], or [TRIANGLE]. The default setting is [SQUARE]. Refer to "End style" for further details.
Color	Sets the line color at [BLACK] or [WHITE]. The default setting is [BLACK].

Note *Although it is also possible to set the [Width] from Print Services on Web, the width data included in the VRF data take priority, and any changes on the Print Services on Web screen will have no effect on the output.*

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TIFF Option

Sets up the sorting and output sequence, and the resolution priority for TIFF data.

Note *These settings are only valid with TIFF data.*

Settings

The settings for this function are as follows.

Menu Item	Description
Sort mode	Determines whether or not to sort the output data. The default setting is [DISABLE]. [ENABLE] Sorted. [DISABLE] Not sorted.
Last to first	Determines whether or not to print in the reverse order. The default setting is [DISABLE]. [ENABLE] Prints in the reverse order. [DISABLE] Prints in the normal order.
Resolution priority	Sets the resolution priority. The default settings is [JOB]. [JOB] Uses the resolution embedded in the TIFF data. [CONTROLLER]Uses the resolution set here.
Controller Resolution	Sets the resolution within a range of 30 to 3000 (dpi) when the [CONTROLLER] parameter has been specified.

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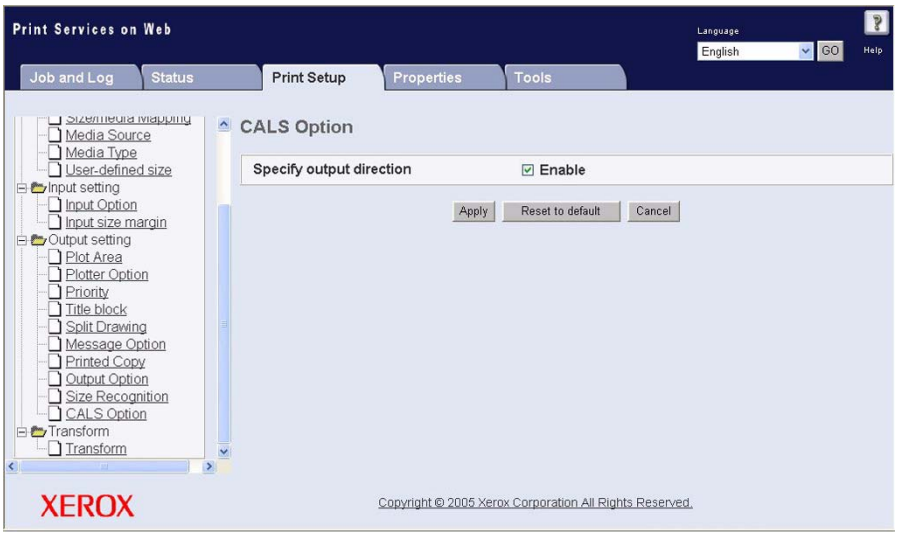
CALS Option

Determines whether to enable or disable the [Rotate] command for CALS data only.



Settings

The settings for this function are as follows.

Menu Item	Description
Specify Output Direction	[ENABLE] Enables the [Rotate] command. [DISABLE] Disables the [Rotate] command. The default setting is [DISABLE].

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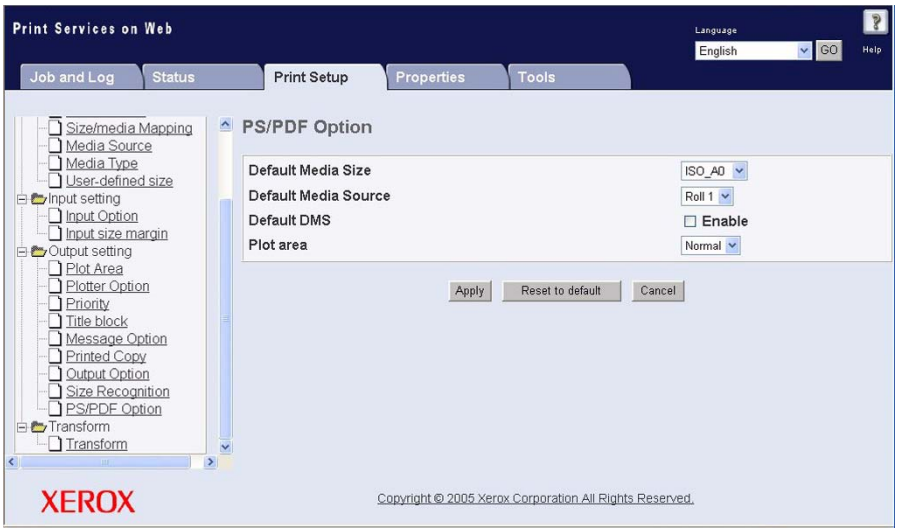
PS/PDF Option

The available selections set up the default media size, roll, and DMS for PS/PDF data.



Settings

The settings for this function are as follows.

Menu Item	Description
Default Media Size	If media size information is not included in the print data, and no media is loaded in any trays, the page size of the data will be the selected media size. The default setting is [ISO_A0].
Default Media Source	If media size information is not included in the print data, the page size of the data will be the selected media size. The default setting is [ROLL 1].
Default DMS	If a DMS is not specified in the print data, the page size of the data will be the media size specified on the logical printer. The available settings are [ENABLE] and [DISABLE]. The default setting is [DISABLE].
Plot Area	This selection sets up the printable area. The default setting is [Normal]. [Normal] Adds 4 mm margins to the top, bottom, left, and right sides of the media. Print data is placed inside the margins. [Extend] No margins are added. Images will be printed to the edge of the page.

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4.4 Logical Printer Operations

This section explains the procedures for performing the following using Print Services on Web.

- Selecting the Media Type
- Using Media Other Than the Default Series
- Changing Output Roll Media for an Entire Job
- Reduction and Enlargement Using Size Mapping
- Printing Long Documents
- Print Services on Web: Job and Log

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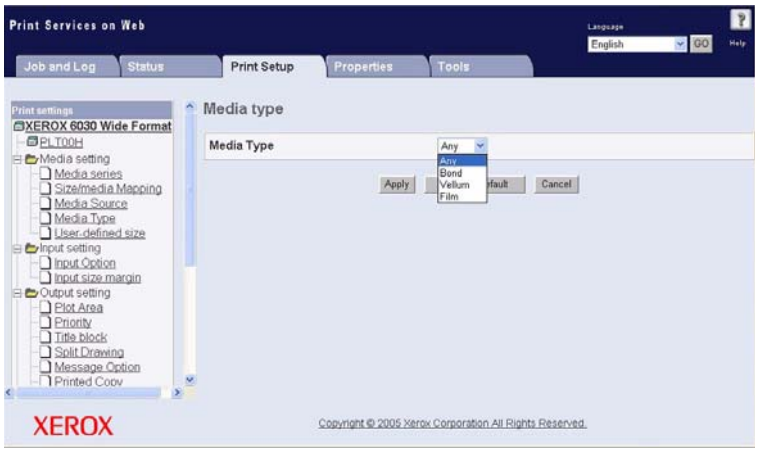
Selecting the Media Type

The media type for the logical printers is set up using the [Media Type] selection. The available selections include [Any], [Bond], [Vellum], and [Film].



[Any] typically is selected as the media type. Specify the media type manually if the media is limited to a particular type. If a media other than the specified type is loaded after this setting is made, a [No Paper] error will be triggered.

Refer to *Refer to "4.3 Logical Printer Print Settings" for details.*

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Using Media Other Than the Default Series

The media size series is set up using the [Media series] selection. The available selections include [ISO A series], [ISO B series], [SP. A series], [ARCH series], [ANSI series], and [ARCH-30 series].

The [Input size], [Output size], and [Media size] parameters can be set up individually for each media group.

- [Input size] is the group used when judging the input size.
- [Output size] is the group used when judging the output size.
- [Media size] is the group used when deciding on the media that is to be used for printing.

Be sure that the groups are set up correctly. For example, if ISO A series paper is set for [Media size], but ANSI paper is loaded in the printer, the printer will be unable to recognize the paper type and a [No Paper] error will be triggered.

Refer to
- *Refer to the "Media Series" section of "4.3 Logical Printer Print Settings" for details on available functions.*
- *Refer to "9.1 Main Specifications (6030/6050)" for the 6030/6050 and "9.2 Main Specifications (6050A)" for the 6050A for details on the media sizes for each media group.*

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Changing Output Roll Media for an Entire Job

By setting the [Output Option] [Size] selection to [AUTO], the output media is determined by the settings in the logical printer's [Media mapping] table. If a media mapping table is prepared for each job, the output roll media can be changed for each job.
For example, if an A1 roll and an A2 roll are loaded in the machine, and the A2 roll is to be used for printing the A2 size (Job1) job, and the A1 roll media to be used for printing (Job2), which is also in A2 size, the mapping table is set up as follows.

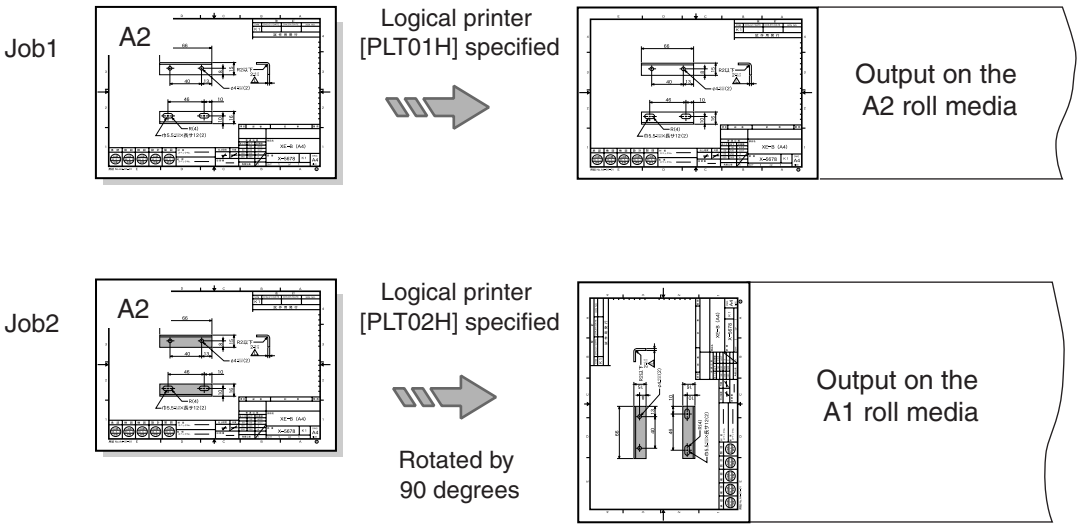
[PLT01H] logical printer settings

Image Size	Media Size
A0	A0
A1	A1
A2	A2
A3	A3
A4	A4

[PLT02H] logical printer settings

Image Size	Media Size
A0	A0
A1	A1
A2	A1
A3	A3
A4	A3

In this example, (Job1) is specified to use logical printer [PLT01H], which will output the job on the A2 roll media.
(Job2) is specified to use logical printer [PLT02H] and rotate the job 90 degrees to print on the A1 roll media.



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Reduction and Enlargement Using Size Mapping

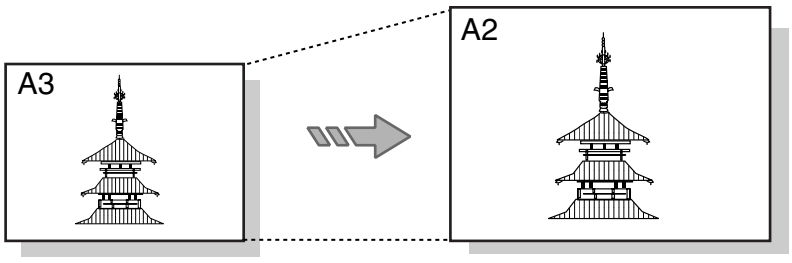
Reduction and enlargement can be performed using the size mapping table. The size mapping table establishes relationships between input image sizes and output image sizes. It enables users to enlarge or reduce prints automatically.

The size mapping table is set up using the logical printer's [Size/media mapping] selection. [Auto scale] is set to [Enable] and [Media size] (on [Output Option]) is set to automatic ([AUTO], [OTHER], [MIX], or [MIX2]).

If the size mapping table is set up as shown below, an image with an input size of A3 will be enlarged to an A2 size (141.4%).

[PLT01H] logical printer settings

Input Size	Output Size
A0	A0
A1	A1
A2	A2
A3	A2
A4	A4



Input image Output image

In addition, if the output media size is directly specified with [Output Option] and [Auto scale] is set to [Enable], it is possible to enlarge or reduce the image so that it matches the size of the output media when the input size and output size are different.

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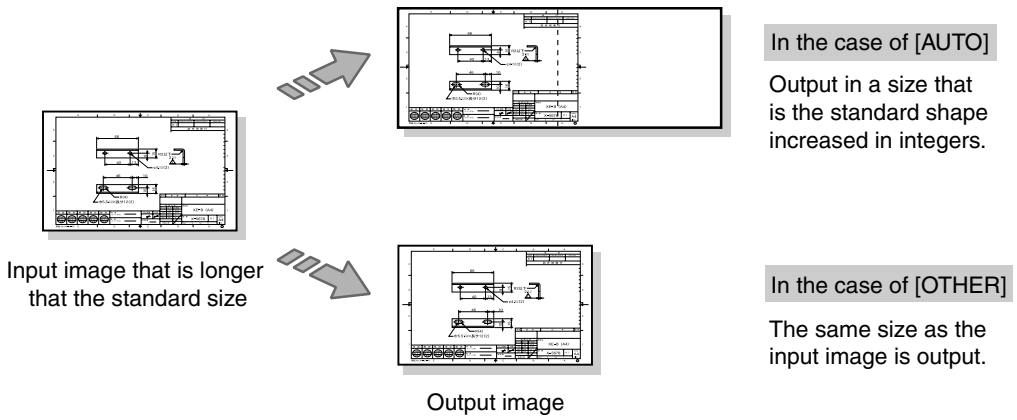
Printing Long Documents

The media cut mode can be set to either the standard A0 format (1,189 mm), the standard shape increased in length, or the synchronized cut.
This parameter is set up using the logical printer [Output Option] feature.

[AUTO] : The standard shape priority mode. If the length of the document exceeds the standard size, the paper is cut to the standard shape that has been increased in length.
[OTHER] : Synchronized cuts performed on all images.
[MIX] : If images that are smaller than the A0 size exceed the standard size, the paper is cut to the standard size that has been increased in length. Synchronized cuts are performed on all images that exceed the A0 size.
[MIX2] : If images that are smaller than the A0 size exceed the standard size, synchronized cuts are performed on all images.


Input image that is longer that the standard size
In the case of [AUTO]
Output in a size that is the standard shape increased in integers.
In the case of [OTHER]
The same size as the input image is output.
Output image

Note
- *Synchronized cutting is when the length of the print is cut to the non-standard size that matches the length of the image.*
- *All output is carried out on roll media when [OTHER] has been selected. Cut sheet cannot be used.*

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4.5 Print Services on Web: Job and Log

The Print Services on Web [Job and Log] tab enables the user to perform the following.

- Display the Print Queue
- Cancel and Change the Priority of Jobs
- Manage the Job and Error Logs

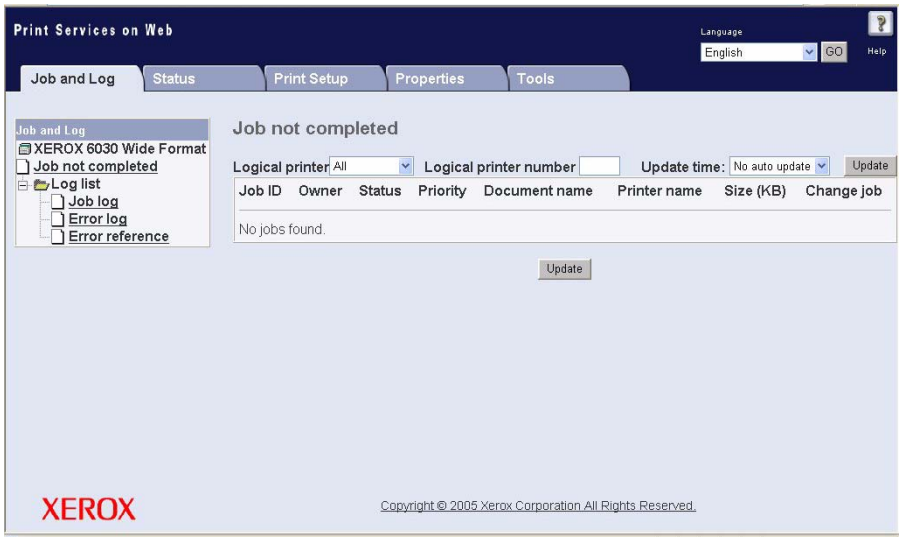
Refer to • *The Print Services on Web [Help] function provides step-by-step instructions for performing many of the tasks described below. It also lists and describes the items and fields that appear on the screens. To access [Help], click the [?] button in the upper, right corner of the screen.*

Display the Print Queue

Perform the procedure below to display a list of the jobs that are currently printing and in the print queue.

Procedure

1 Start Print Services on Web and display the [Job and Log] tab on either the User Page or the Administrator Page.



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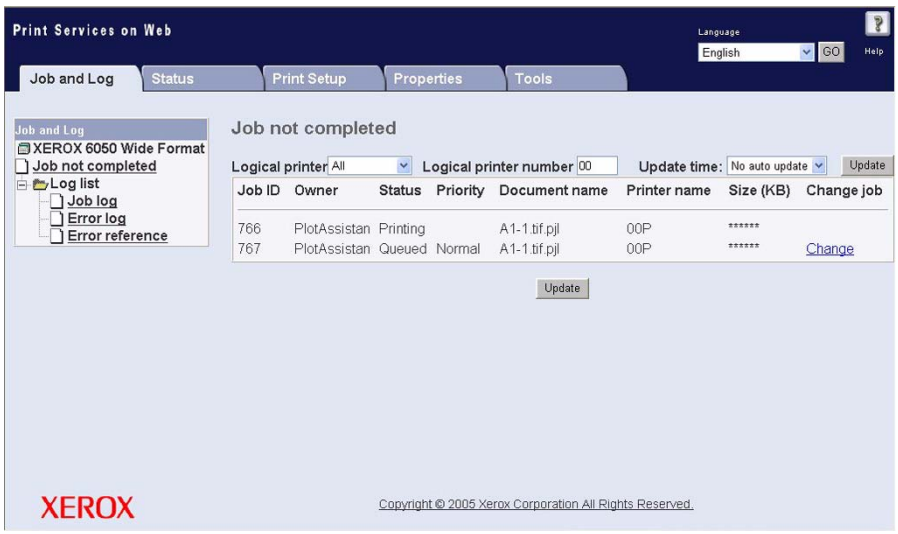
2 Select [Job not completed].

A list of print jobs will display on the right side of the window. If the Administrator page is displayed, the jobs that are waiting to print will display a [Change] link at the right side. A job that is printing can not be changed, that is, it can not be canceled or be assigned a different priority.



3 To view the print queue for one logical printer only, select the appropriate data format in the [Logical printer] menu, enter the logical printer's number in the [Logical printer number] field, and then click an [Update] button.

A list of jobs for the specified logical printer will display.

Items Displayed in the [Jobs not completed] List

The items in the [Jobs not completed] list are defined below.

Displayed Item	Description
Job ID	Displays the assigned job ID.
Owner	Displays the name of the job owner.
Status	Displays the current job status. [Receiving] Job queuing in progress. [Queued] On standby for job processing. [Printing] Printing in progress.
Priority	Displays [High], [Normal] or [Low] as the priority.
Document Name	Displays the name of the document. [---] is displayed when the name is unknown.

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Displayed Item	Description
Printer Name	Displays the name of the destination logical printer. [---] is displayed when the name is unknown.
Size	Displays the size of the job in KB.
Change Job	Changes the priority of or cancels a job. (On the Administrator page only)

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Cancel and Change the Priority of Jobs

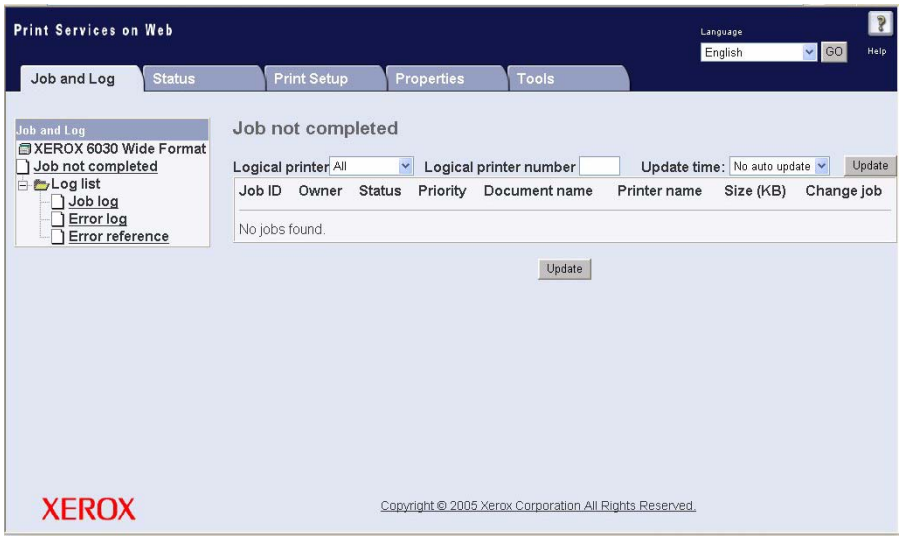
Use this procedure to cancel a print job or change its priority.

Important
- These procedures can only be performed from the Administrator Page.
- Completed jobs cannot be canceled or have their priority changed.

Procedure

1 Start Print Services on Web, log on as Administrator, and select the [Job and Log] tab.

Refer to *Refer to "2.3 Print Services on Web (6030/6050)" for details on starting up Print Services on Web.*



2 Select [Job not completed].

A list of all jobs that are printing and queued will display on the right side of the screen.

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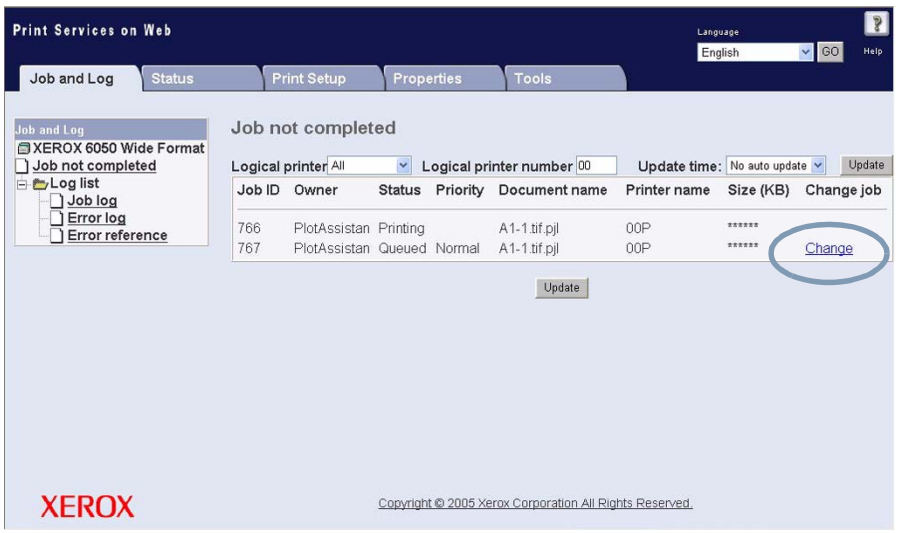
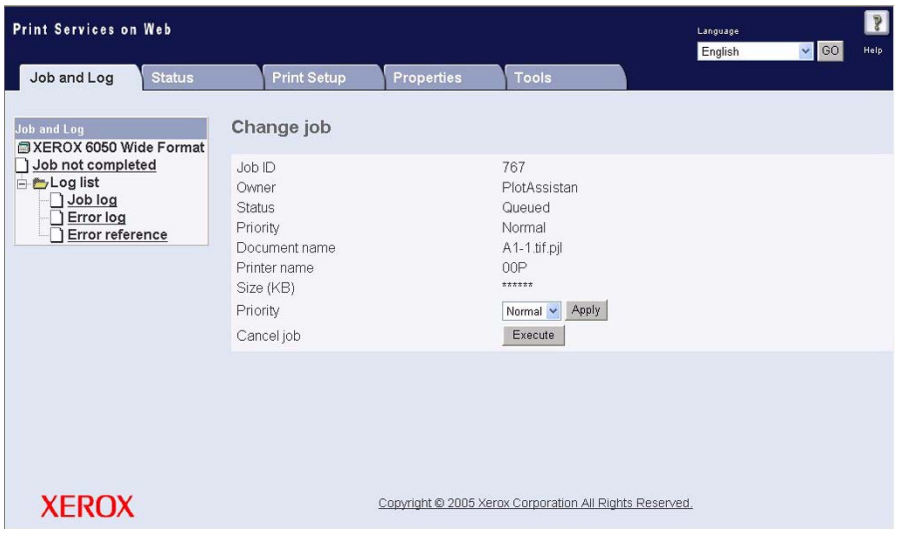


Note *To reduce the size of the list, set up the [Logical printer] and [Logical printer number] fields, and then click the [Update] button. Set the [Update time] to automatically update the list, if desired.*

3 Click the [Change] link located on the right side of the job that you want to cancel or change.

The [Change job] page will display.



4 To cancel the job, click the [Execute] button.

5 To change the priority of the job, select either [High], [Normal], or [Low] from the [Priority] menu, and then click the [Apply] button.

Important *Only one job can be canceled at a time.*

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Manage the Job and Error Logs

This function allows the user to print and delete the Job Log and the Error Log.

Important *It is only possible to display a list of jobs on the User page. All other operations must be carried out on the Administrator page.*

Refer to *Job log and error log management also can be performed from the printer control panel. Refer to "5.5 Managing the Job and Error Logs (6030/6050 only)" for more information.*

Job Log

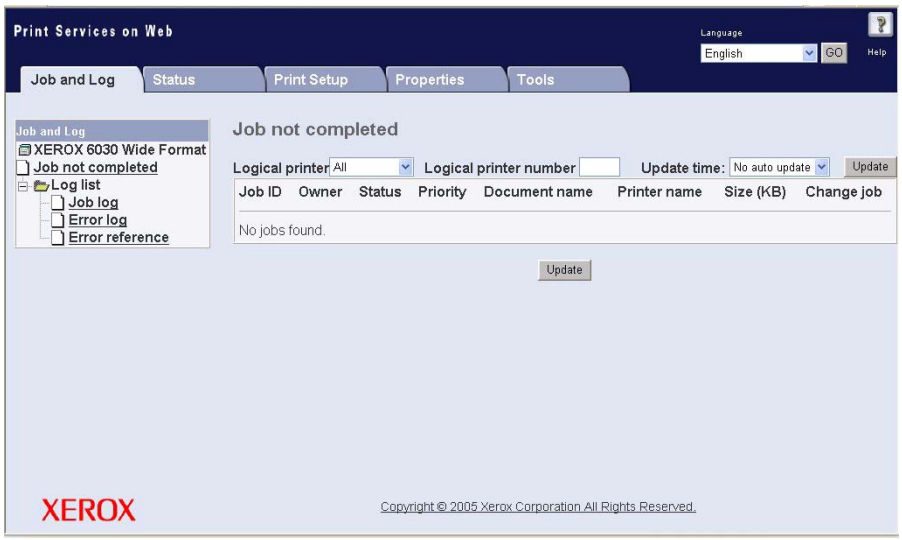
The job log is a record of all completed print jobs. A variety of information is recorded here, including job numbers, the number of copies/prints, the input and output sizes, and the processing time.
Job logs can be set up to print automatically. Once the automatic printing mode has been enabled, the log data will print automatically whenever 51 pages of processed jobs accumulates. The maximum number of jobs that can be logged is 20,000. When the number exceeds this value, the oldest item in the log is deleted and the new information recorded.

Display the Job Log

1 Start Print Services on Web, log on as Administrator, and select the [Job and Log] tab.

Refer to *Refer to "2.3 Print Services on Web (6030/6050)" for details about starting Print Services on Web.*

Note *Although you can display and print log lists on the User page, you must be logged in as administrator to manipulate the log data.*



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2 Select [Job Log] from the [Log list] menu. A list of processed jobs will display on the right side of the screen.

To display a subset of the logged print jobs:

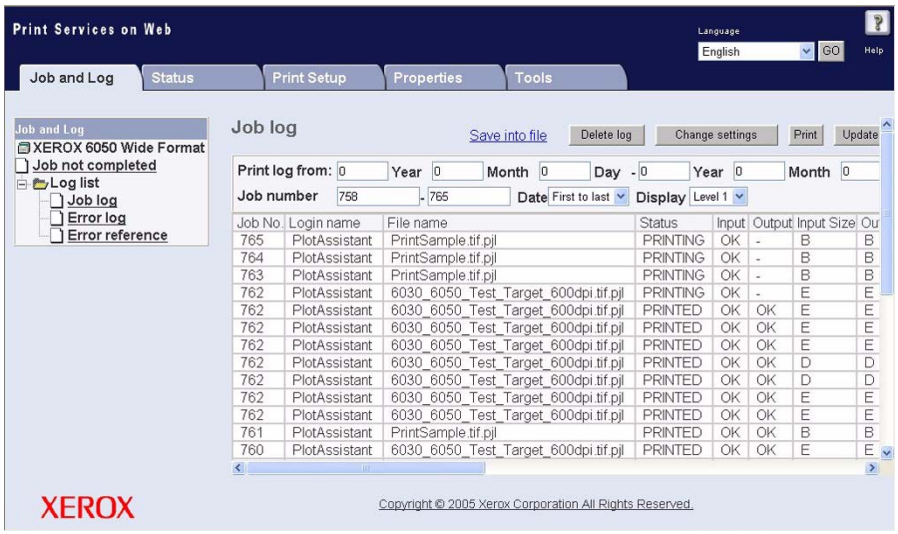
- Enter a range in the [Job number] fields, and then click the [Update] button

  - or -

- Enter the inclusive dates in the [Print log from:] fields, and then click the [Update] button.

  A list of the specified jobs will display.

Note *Use the [Date] menu to sort the jobs in either ascending or descending order by date.*


Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Job log
Save into file
Delete log
Change settings
Print
Update
Print log from: 0 Year 0 Month 0 Day - 0 Year 0 Month 0
Job number 758 - 765 Date First to last Display Level 1
Job No. Login name File name Status Input Output Input Size Ou
765 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
764 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
763 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTING OK - E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
761 PlotAssistant PrintSample.tif.pjl PRINTED OK OK B B
760 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
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Print the Job Log (manually)

1 Start Print Services on Web, log on as Administrator, and display the [Job and Log] tab.

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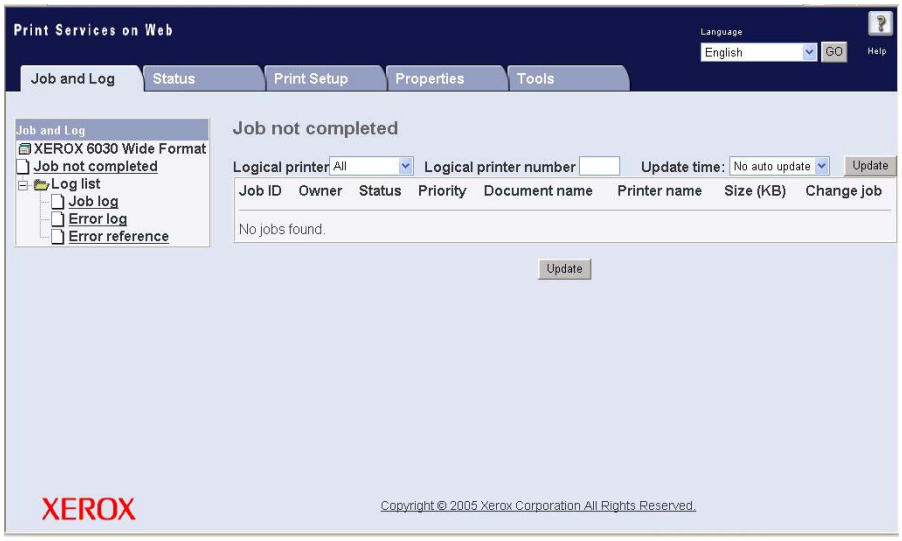

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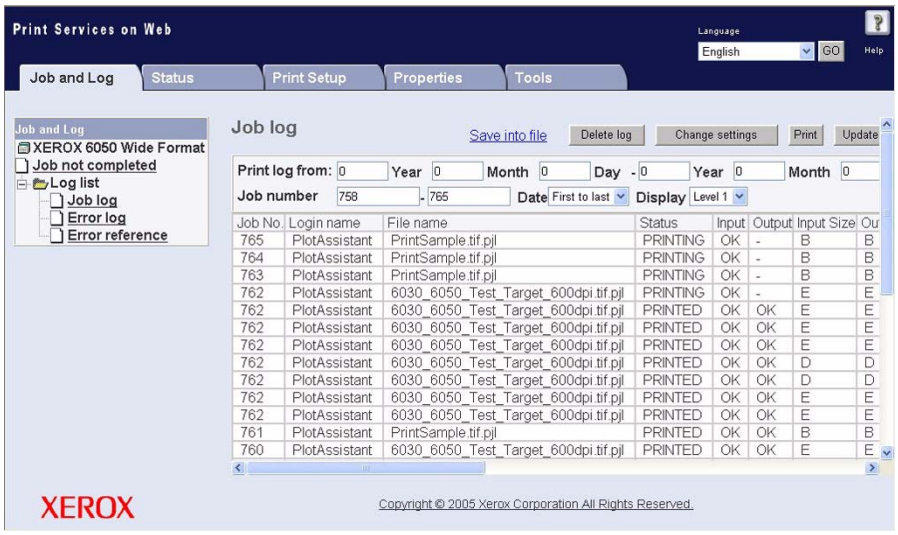
2 Select [Job log] from the [Log list] menu. A list of completed jobs will display on the right side of the screen.
To display a subset of the logged print jobs, enter a range in [Job number] or specify the period in the [Print log from:] fields, and then click the [Update] button. The list of the specified jobs will display.


Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Job log
Save into file
Delete log
Change settings
Print
Update
Print log from: 0 Year 0 Month 0 Day - 0 Year 0 Month 0
Job number 758 - 765 Date First to last Display Level 1
Job No. Login name File name Status Input Output Input Size Ou
765 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
764 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
763 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTING OK - E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
761 PlotAssistant PrintSample.tif.pjl PRINTED OK OK B B
760 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
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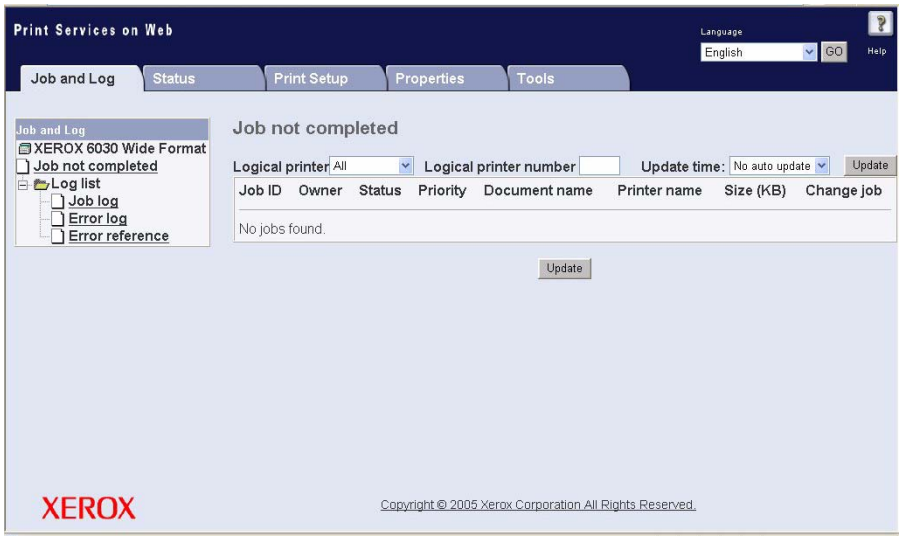
3 Click the [Print] button.

Print the Job Log (automatically)

1 Start Print Services on Web, log on as Administrator, and display the [Job and Log] tab.



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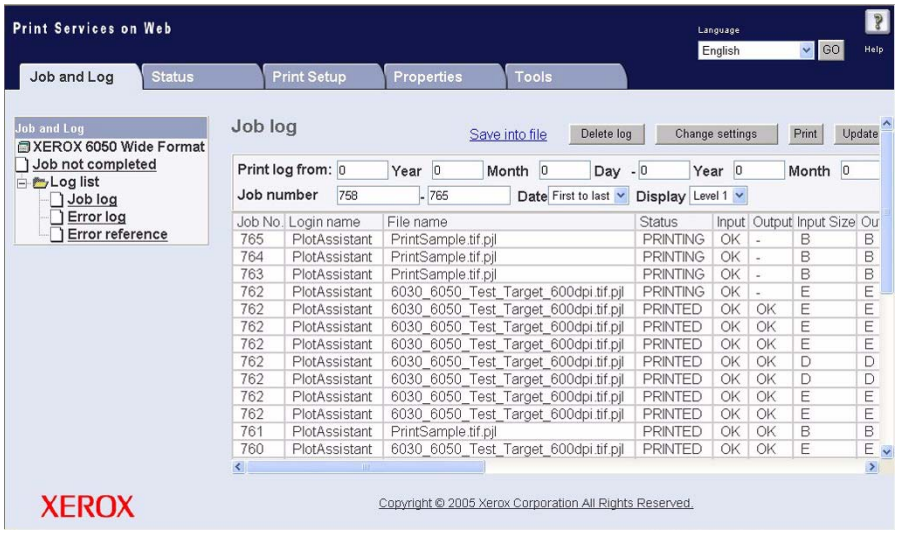
2 Select [Job Log] from the [Log list] menu. A list of log information will display in the right pane.


Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Job log
Save into file
Delete log
Change settings
Print
Update
Print log from: 0 Year 0 Month 0 Day - 0 Year 0 Month 0
Job number 758 - 765 Date First to last Display Level 1
Job No. Login name File name Status Input Output Input Size Ou
765 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
764 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
763 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTING OK - E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
761 PlotAssistant PrintSample.tif.pjl PRINTED OK OK B B
760 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
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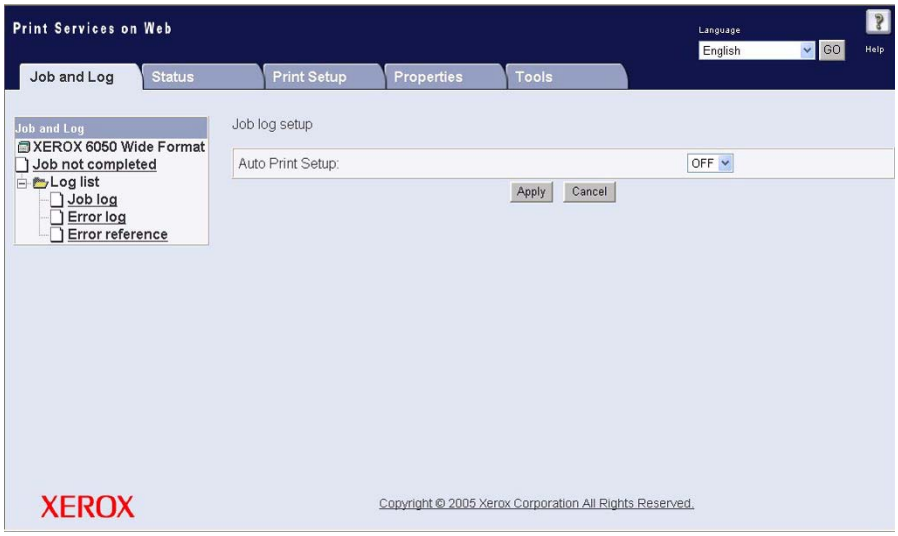
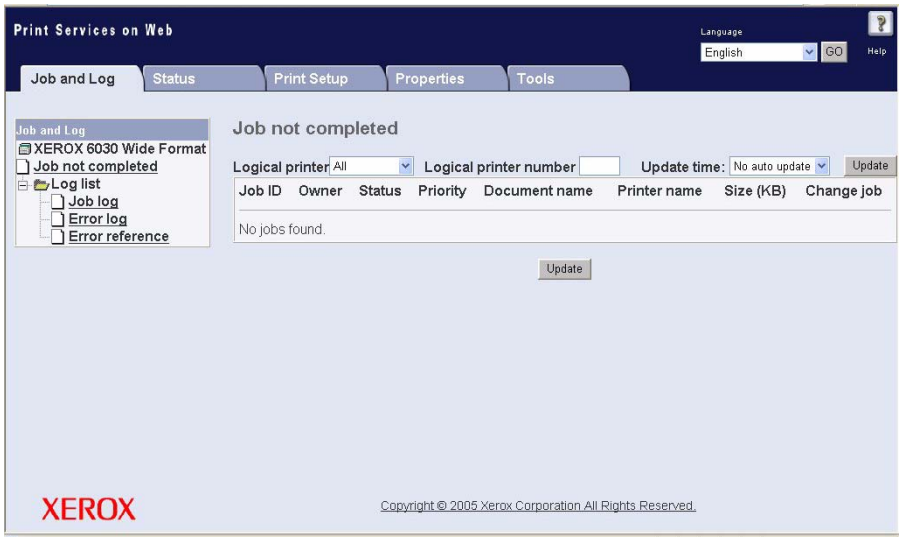
3 Click [Change settings]. The [Job log setup] screen will display.



4 Select [ON] as the [Auto Print Setup] selection, and then click [Apply]. The job log will print automatically whenever sufficient job log entries accumulate.

Delete the Job Log

1 Start Print Services on Web, log on as Administrator, and display the [Job and Log] tab.



2 Select [Job Log] from the [Log list] menu. The job log will display in the right pane.

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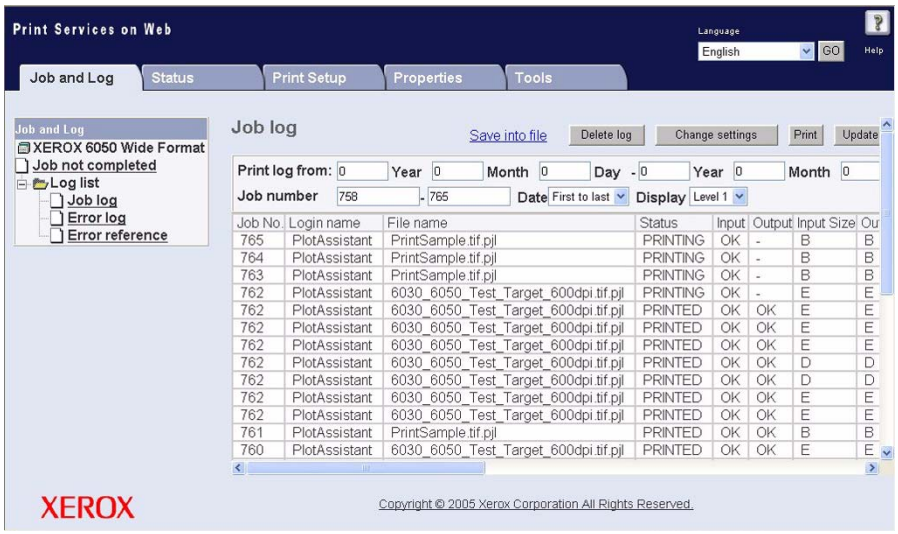
Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Job log
Save into file
Delete log
Change settings
Print
Update
Print log from: 0 Year 0 Month 0 Day - 0 Year 0 Month 0
Job number 758 - 765 Date First to last Display Level 1
Job No. Login name File name Status Input Output Input Size Ou
765 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
764 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
763 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTING OK - E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
761 PlotAssistant PrintSample.tif.pjl PRINTED OK OK B B
760 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
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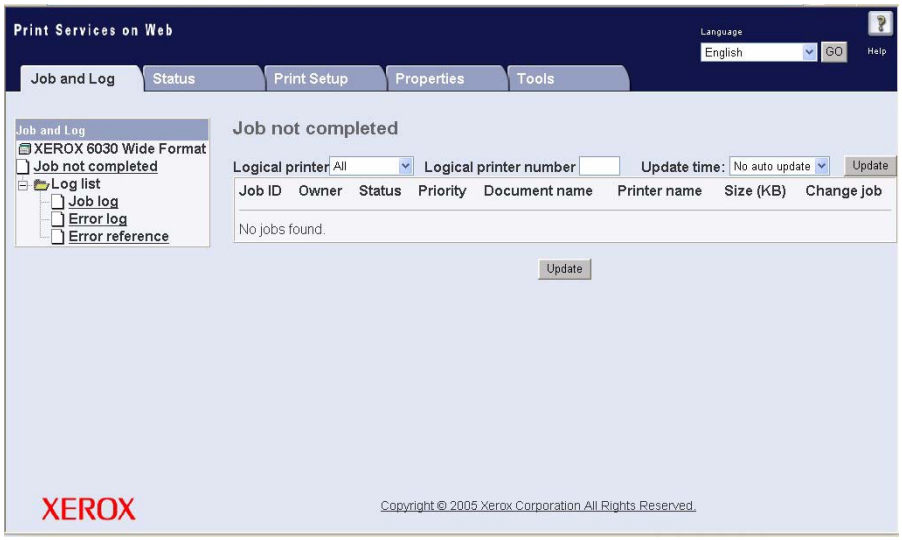
3 Click the [Delete log] button.
A confirmation popup will display.

4 Select the [OK] button to delete the job log, or [Cancel] to retain the log.

Save the Job Log

1 Start Print Services on Web, log on as Administrator, and display the [Job and Log] tab.



2 Select [Job Log] from the [Log list] menu. The job log will display in the right pane.

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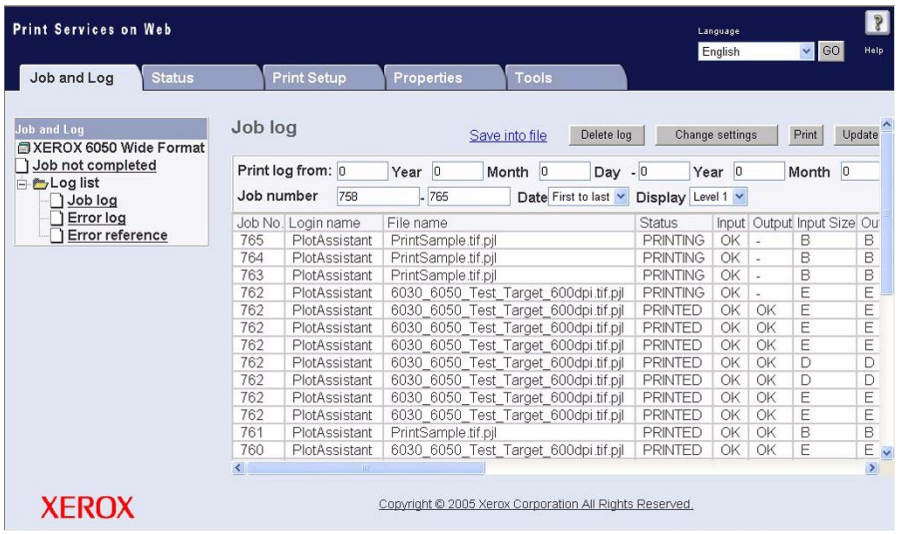
Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Job log
Save into file
Delete log
Change settings
Print
Update
Print log from: 0 Year 0 Month 0 Day - 0 Year 0 Month 0
Job number 758 - 765 Date First to last Display Level 1
Job No. Login name File name Status Input Output Input Size Ou
765 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
764 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
763 PlotAssistant PrintSample.tif.pjl PRINTING OK - B B
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTING OK - E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK D D
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
762 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
761 PlotAssistant PrintSample.tif.pjl PRINTED OK OK B B
760 PlotAssistant 6030_6050_Test_Target_600dpi.tif.pjl PRINTED OK OK E E
XEROX
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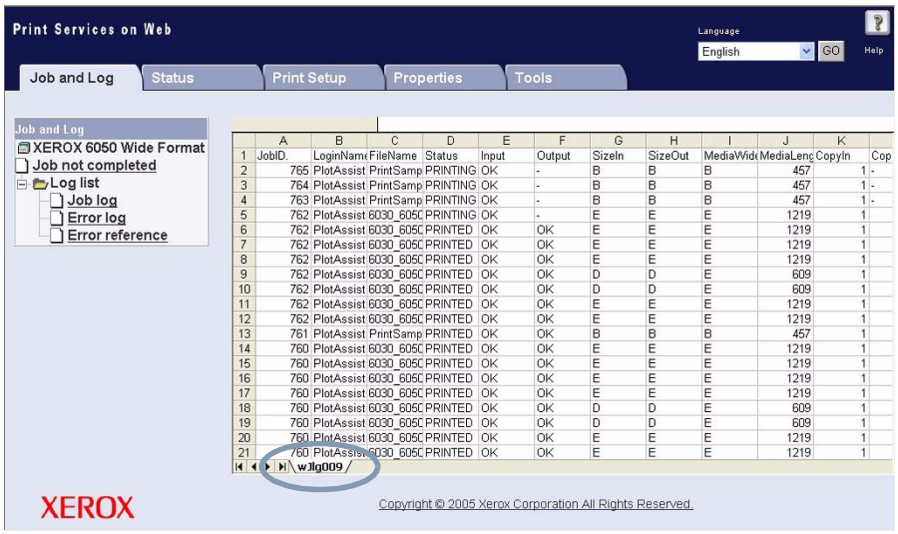
3 Further define the job log, if necessary, using the [Print log from], [Job number], [Date], and [Display] selections, and then click the [Save into file] link.

The job log will be saved in a comma-separated value (CSV) format, and displayed as in the figure below.



Display the Error Log

The Error Log is a record of information about the errors that occurred during job processing.

Procedure

1 Start Print Services on Web and display the [Job and Log] tab on either the User Page or the Administrator Page.

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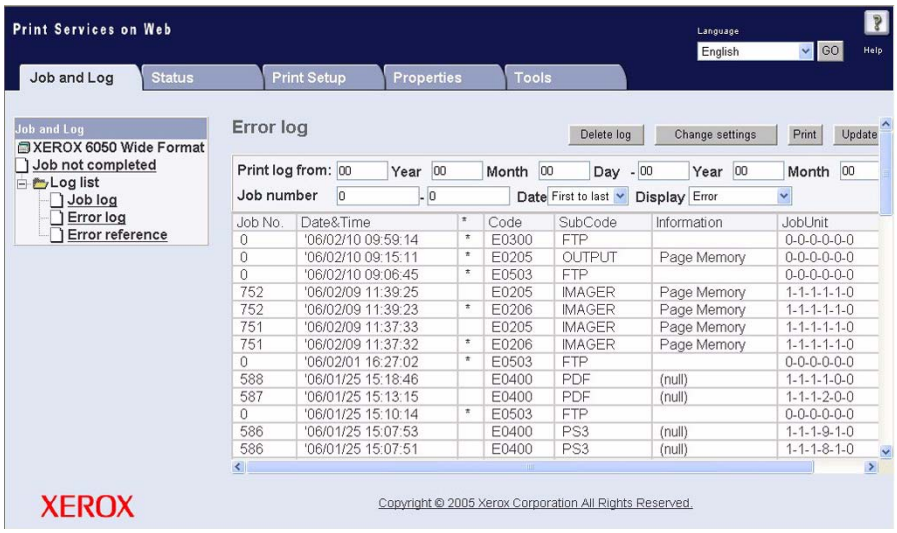
2 Select [Error Log] from the [Log list] menu. The error log will display on the right side of the screen.


Print Services on Web
Language
English
GO
Help
Job and Log
Status
Print Setup
Properties
Tools
Job and Log
XEROX 6050 Wide Format
Job not completed
Log list
Job log
Error log
Error reference
Error log
Delete log
Change settings
Print
Update
Print log from: 00 Year 00 Month 00 Day - 00 Year 00 Month 00
Job number 0 - 0 Date First to last Display Error
Job No. Date&Time * Code SubCode Information JobUnit
0 '06/02/10 09:59:14 * E0300 FTP 0-0-0-0-0-0
0 '06/02/10 09:15:11 * E0205 OUTPUT Page Memory 0-0-0-0-0-0
0 '06/02/10 09:06:45 * E0503 FTP 0-0-0-0-0-0
752 '06/02/09 11:39:25 E0205 IMAGER Page Memory 1-1-1-1-1-0
752 '06/02/09 11:39:23 * E0206 IMAGER Page Memory 1-1-1-1-1-0
751 '06/02/09 11:37:33 E0205 IMAGER Page Memory 1-1-1-1-1-0
751 '06/02/09 11:37:32 * E0206 IMAGER Page Memory 1-1-1-1-1-0
0 '06/02/01 16:27:02 * E0503 FTP 0-0-0-0-0-0
588 '06/01/25 15:18:46 E0400 PDF (null) 1-1-1-1-0-0
587 '06/01/25 15:13:15 E0400 PDF (null) 1-1-1-2-0-0
0 '06/01/25 15:10:14 * E0503 FTP 0-0-0-0-0-0
586 '06/01/25 15:07:53 E0400 PS3 (null) 1-1-1-9-1-0
586 '06/01/25 15:07:51 E0400 PS3 (null) 1-1-1-8-1-0
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Saving, Deleting, Printing the Error Log

The procedures for saving, deleting, and printing the error log(s) are the same as those for managing the job log(s). Refer to the relevant job log procedure when you need to change or save the error log data.

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4.6 Print Services on Web: Status

The following operations can be performed using Print Services on Web.

- Display Printer Status
- Start and Stop Job Reception, Printing, and the Print Service

Refer to • *The Print Services on Web Help function provides step-by-step instructions for performing many of the tasks described below. It also provides lists and descriptions of the items and fields that appear on the screens. To access Help, click the [?] button in the upper, right corner of the screen.*

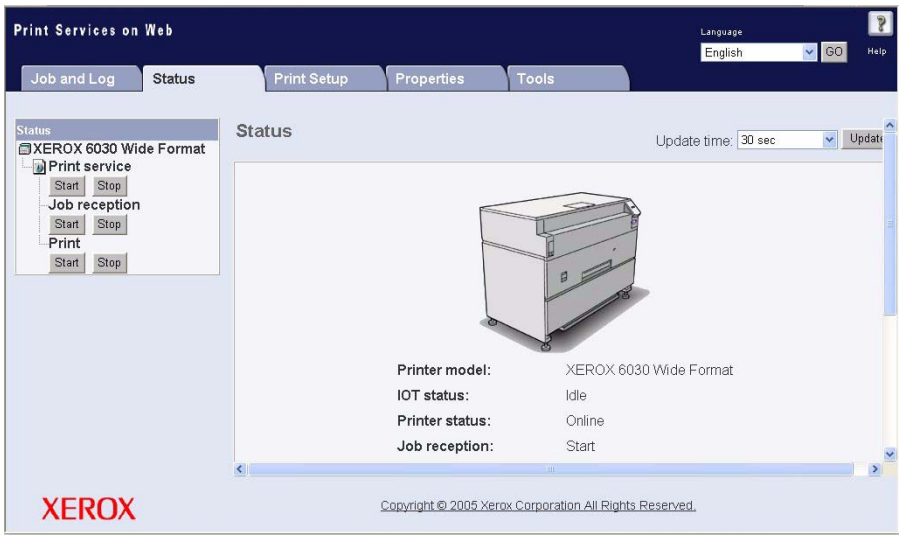
Display Printer Status

This function displays the status of the 6030/6050 Wide Format Printer and Copier/Printer.

Procedure

1 Start Print Services on Web and display the [Status] tab on either the User page or the Administrator page.

Refer to *Refer to "2.3 Print Services on Web (6030/6050)" for details on starting Print Services on Web.*



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2 Click the [Update] button at the upper right corner of the tab to update the display.

The current status of the machine will display. Use the right scroll bar to see the remaining details.

Note *You may select an interval at which the display will be updated using the [Update time:] menu at the upper right corner. You also may select [No auto update] to turn off the feature.*

Items Displayed on the Status tab

The following items are displayed on the status tab.

Displayed Item	Description
Print service	Displays the [Start] and [Stop] buttons used to start or stop the server.
Job reception	Displays the [Start] and [Stop] buttons used to start or stop job reception.
Print	Displays the [Start] and [Stop] buttons used to start or stop printing.
Printer model	Displays the model name of the printer.
Printer status	Displays the online/offline status of the printer.
Roll1 Roll2 Roll3(optional) Roll4 (optional)	Displays the size, type, and amount of media on each roll. The amount of media is indicated by the following symbols.
Manual feed	Displays [YES] if the optional MSI is installed. Displays [NONE] if the MSI is not installed.
IOT status	Displays the status of the printer. Refer to [IOT Status Details] in the next table.
Processing data format	Displays the data formats that can be processed.
Billing information	Displays the following: • Meter 1: The total area (in square feet or square meters) of media printed until now • Meter 2: The total length (in feet and meters) of media printed until now • Meter 3: The total number of stamp prints made until now

IOT Status Details

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The following messages are displayed for the IOT status.

Displayed Item	Description
Idle	The printer is in standby mode, ready to receive a print job.
Printing	The printer is printing.
Warm-up	The printer is warming up.
Power off	The printer is powered off.
Lower power mode	The printer is in the low power mode.
Sleep mode	The printer is in the sleep mode.
Machine error	An error has occurred in the machine. Simultaneously press the <> and <> buttons on the printer control panel. If the machine does not recover, contact your Xerox Service Representative.
Paper jam	Media is jammed inside the printer. Follow the instructions on the control panel to remove the jammed media.
Check the printer	Follow the instructions on the control panel.
Door / tray open	A cover, tray, or door is open. Close it.
No media	The printer is out of media. Load the required media.
System error	A system error has occurred in the printer. Switch off the printer power, and then switch it on again. If the problem does not recover, contact your Xerox Service Representative.

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Start and Stop Job Reception, Printing, and the Print Service

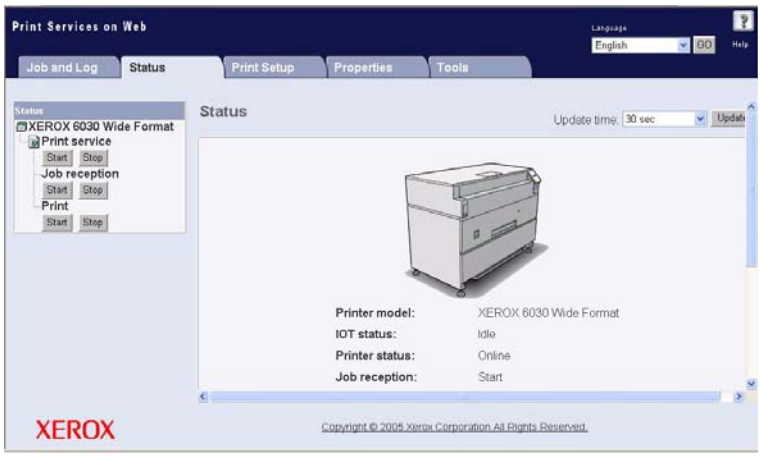
This function enables the following procedures to be performed.

- Stop job reception — Stops job reception from clients.
- Start job reception — Starts job reception.
- Stop printing — Jobs received from clients are placed in a [Queued] status and are spooled on the hard disk.
- Start printing — Starts the printing process.
- Stop print service — Suspends both job reception and printing.
- Start print service — Starts both job reception and printing.

Important *These procedures can only be performed from the Print Services on Web Administrator page.*

Procedure

1 Start Print Services on Web, log on as Administrator, and be sure the [Status] tab is displayed.



2 To start or stop job reception, click the [Job reception] [Start] or [Stop] button.

To start or stop printing, click the [Print] [Start] or [Stop] button.

To start or stop the server, click the [Print service] [Start] or [Stop] button.

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4.7 Print Services on Web: Tools

The Print Services on Web [Tools] tab enables you to do the following:

- " Print a Test Pattern"
- " Print a Diagnostic Report"

Important *These procedures can only be performed from the Administrator mode.*

Note *Test printing also can be performed from the printer control panel. Refer to "5.4 Test Printing (6030/6050 only)".*

Refer to

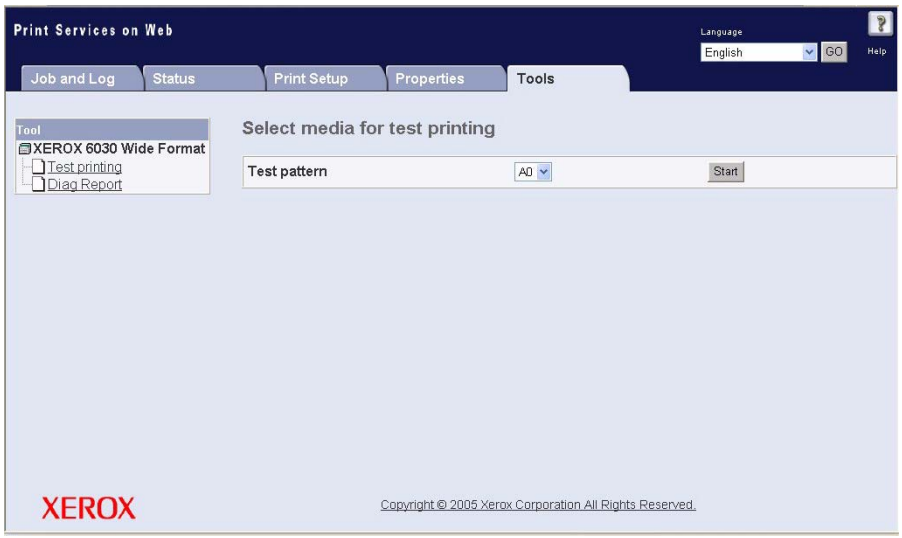
- *The Print Services on Web Help function provides step-by-step instructions for performing the tasks described below. It also provides lists and descriptions of the items and fields that appear on the screen. To access Help, click the [?] button in the upper, right corner of the screen.*

Print a Test Pattern

Procedure

1 Start Print Services on Web, log on as Administrator, and select the [Tools] tab.

2 Select [Test printing].
"Select media for test printing" will appear on the right side of the screen.



3 Select the media size (A0 to A4) from the menu, and then click [Start].
The test pattern will print.

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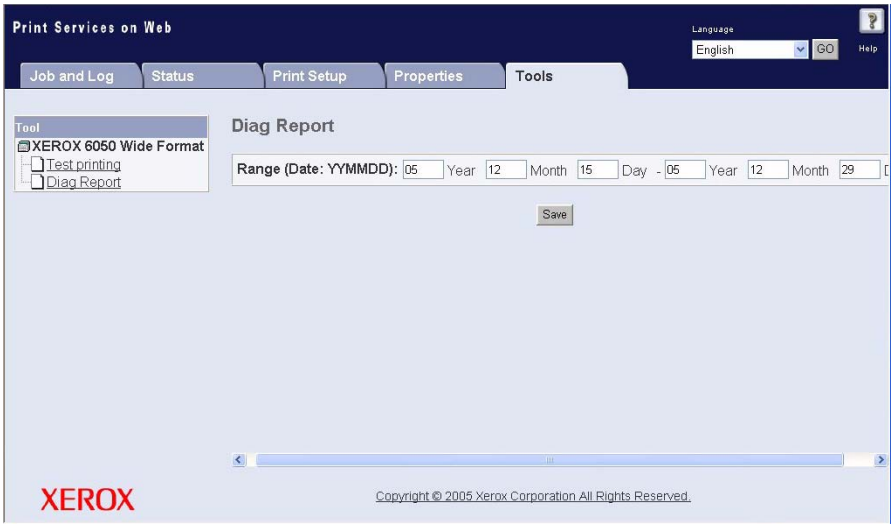
Print a Diagnostic Report

Procedure

1 Start Print Services on Web, log on as Administrator, and select the [Tools] tab.

2 Select [Diag report].

3 "Diag Report" will appear on the right side of the screen.



4 Specify the inclusive report dates using the [Range (Date: YYMMDD):] field, and then click [Save].
A dialog box will display. You may choose to open and view the report or save it.

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4.8 Manual Feed Printing

Manual feed printing is performed on cut sheet media that has been loaded in the MSI (Multi Sheet Inserter/Manual Feed Unit). The job information from the client must specify manual feeding. Manual feed printing is also possible using the following procedure.

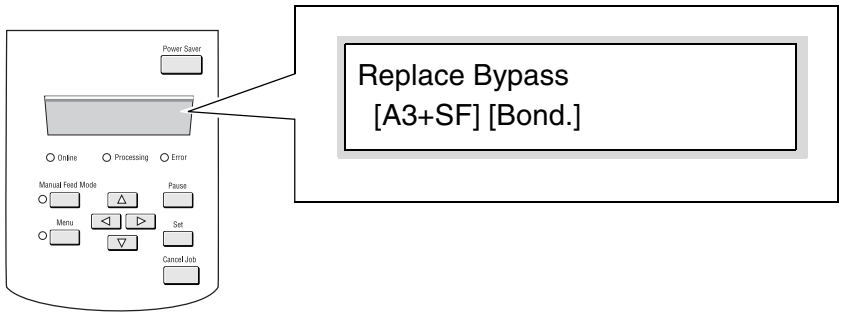
Important *The optional (MSI) Multi Sheet Inserter/Manual Feed Unit is required for manual feed printing.*

Procedure

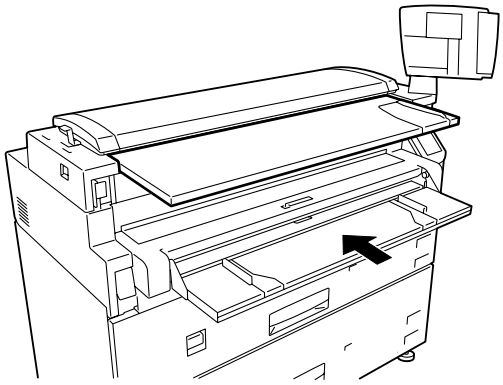
1 Set [Media Source] for the logical printer to [Manual].

2 Send the print job to the 6030/6050 Wide Format Printer or Copier/Printer.

The following message will display on the printer control panel if there is no media in the (MSI) Multi Sheet Inserter/Manual Feed Unit.



3 Load the media in the (MSI) Multi Sheet Inserter/Manual Feed Unit following the instructions displayed on the printer control panel.



Printing will start once the media is loaded.

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Chapter 5

Additional Operations from the Printer Menu

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5.1 Introduction

The printer control panel's menus enable the user to perform the following major tasks:

(On the 6030/6050 Wide Format)

- Set up the system parameters using the [SYSTEM PARAMETERS] submenu.
- Set up the communication parameters using the [PORT SETTING] submenus.
- Print a test print using the [TEST PLOT] submenu.
- Manage the job log and the error log using the [JOB LOGGING] submenu.
- Reprint the latest print job using the [OFFLINE PLOT] submenu.
- Display billing meter information using the [BILLING INFO] submenu.
- Set up the media using the [PRINT SETUP] menu.

The procedures for setting up the system parameters and the communication parameters have been covered in previous chapters. This chapter will describe the procedures associated with the latter five capabilities in the above list.

(On the 6050A)

- Set the language and date format using the [Localization] submenu.
- Set up the TCP/IP settings as well as the dat/time and power management timers using the [System Settings] submenu.
- Print a test print, shut down the 6050A and check the billing meters using the [Utilities] submenu.
- Enable/disable rolls and trays using the [Print Setup] submenu.
- Configure the proper type, weight, series, and trim of each roll in the [Media] submenu.
- The [Fuser] submenu, while present in the UI, does not affect the configuration of the 6050A in any way, shape, or form.

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5.2 Printer Control Panel Menu (6030/6050)

The following is a list of the menus and submenus which can be accessed by pressing the <Menu> key and placing the printer in the offline mode. When the printer enters the offline mode, the first of two top level menus displays, that is, the [Network Port/Set] menu. From this menu the user can define the system parameters, perform port (communication) setup, run a test print (plot), manage job and error logs, set up reprinting (offline plot), and display billing meter information.

The second top level menu is [Print Setup]. It is accessed from the [Network Port/Set] item by pressing the [▼] key. This menu enables the user to define the roll and cut sheet media sizes, types, and weights, as necessary, when new or different media is loaded in the machine.

As a reminder, the following buttons are used to navigate the printer control panel menus.

<▲> key	Displays the previous menu item or value on the same menu level.
<▼> key	Displays the next menu item or value on the same menu level.
<▶> key	Displays the lower level menu item.
<◀ > key	Displays the higher level menu item.

Note *Table items that are preceded by an asterisk [*] represent the values that can be selected. Values which are followed by a [⇨] mark lead to another, lower level, submenu or selection; these are accessed by pressing the <▶> key, after pressing the <Set> key to accept the previous selection.*

Note *It is recommended that the procedures covered in this chapter be performed using Print Services on Web.*

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[Network Port/Set] Menu

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
SYSTEM PARAMETER	Set Date	Set Date *YY/MM/DD hh: mm			
	AUTO ROLL	Roll→Tray Tray→Roll	Roll→Tray *OFF *ON Tray→Roll *OFF *ON		
	SPA PAPER WIDTH	SPA PAPER WIDTH *Sp A1 *Sp A2	Sp A1 *620 *625 Sp A2 *435 *440		
	Smoothing	Smoothing *OFF *ON			
	Low power mode1	Timer Value *1 to 120 min			
	Low power mode2	Timer Value *5 to 120 min			
	Sleep Mode	Sleep Mode *OFF *ON ⇨	 Timer Value *15 to 120 min		
	Attention Light	Lamp	Not Available		
		Buzzer	Not Available		
	Print Density	Set Density -99 to 99			
	Job Recovery	Job Recovery *OFF *QUEUED *ALL			
	Net Cont. Time	Time Value *10 to 480 min			

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Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
PORT SETTING	TCP/IP	Ethernet Setting	Ethernet Setting *AUTO *10BASE_T *100BASE_T		
		Default Parser	Default Parser *HPGL *TIFF *CALS *VERSATEC *PS/PDF		
		IP Address	IP Address *xxx.xxx.xxx.xxx		
		MASK Value	MASK Value *xxx.xxx.xxx.xxx		
		E-Net Address	E-Net Address (display only)		
		Dynamic Routing	Dynamic Routing *ON *OFF		
		Static Routing	Static Routing *ON ⇨ *OFF	ROUTING TABLE ADD	Dest. Address *xxx.xxx.xxx.xxx
					Level 7
					Router Address *xxx.xxx.xxx.xxx
				ROUTING TABLE PRINT	ROUTING TABLE SET: to Print

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Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
PORT SETTING	SERIAL	Handshake	Handshake *XON/XOFF *HARDWARE *ENQ-ACK *SOFTWARE (ENQ-ACK and SOFTWARE only with HPGL)		
		Default Parser	HPGL		
		Baud Rate	Baud Rate *300 *1200 *2400 *4800 *9600 *19200		
		Parity	Parity *NONE *EVEN *ODD		
		Data Bit	Data Bit *7_BITS *8_BITS		
		Stop Bit	Stop Bit *1_BIT *2_BIT		
		EOP Timeout	EOP Timeout *OFF *ON ⇨	Timeout Value *1 to 255 sec	
		Output Response	Output Response *NO *YES		
		Job Separation	Job Separation *NO *YES		
	CENTRO (optional)	Ack Mode	Ack Mode *MODE0 *MODE1 *MODE2 *MODE3 *MODE7		
		DMA Timeout	DMA Timeout *1 to 255 sec		
		EOP Timeout	EOP Timeout *NO_TIMEOUT *TIMEOUT ⇨	Timeout Value *0 to 99 sec	
		Job Separation	Job Separation *NO *YES		

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Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
PORT SETTING	VPI (optional)	Report Offline	Report Offline *NO *YES		
		EOP Timeout	EOP Timeout *NO_TIMEOUT *TIMEOUT ⇨	Timeout Value *1 to 255 sec	
		Job Separation	Job Separation *NO *YES		
	PRINT CONFIG	SET: to Print.			
TEST PLOT	TEST PLOT Plot Size	PLOT SIZE *A0 to A4	TEST PLOT SET: to Print.		
JOB LOGGING (See Note below)	JOB LOGGING JOB LOG	JOB LOG SETTING	SETTING Auto Mode	Auto Mode *OFF *ON	
		JOB LOG PRINT	PRINT LOG *YYMMDD - YYMMDD	SET: to Print.	
		JOB LOG CLEAR	SET: to Clear.		
	JOB LOGGING ERROR LOG	ERROR LOG PRINT	PRINT LOG *YYMMDD - YYMMDD		
		ERROR LOG CLEAR	CLEAR SET: to Clear.		
OFFLINE PLOT	REPLOT	Printed Copies	Printed Copies *1 to 99	SET: to Print.	
BILLING INFO	BILLING INFO VIEW	VIEW METER 1	METER 1 Area printed and copied (display only)		
		VIEW METER 2	METER 2 Length printed and copied (display only)		
		VIEW METER 3	METER 3 Number of stamp printouts (display only)		

Note *The [Starting day to ending day] parameter for log management is specified in the YYMMDD format; (YY: 00 to 99, MM: 01 to 12, DD: 01 to 31)*

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[Print Setup] Menu

The Print Setup menu should be used immediately after loading new media or changing the type and/or size of media in the media drawers or the bypass (MSI).

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
PRINT SETUP	MEDIA *Roll1 *Roll2 *Roll3 *Roll4 *Bypass	MEDIA/Roll 1,2,3,4 Bypass *Type *Weight *Series *Trim *(The Trim option is not available for Bypass)*	Type *Bond *Vel *Film Weight *Ord. *Heavy *Light Series *A *Sp.A-1 *Sp.A-2 *ANSI *Arch *B Trim *1 *3 *2		
PRINT SETUP TRAY	Tray Roll3,4	TRAY/Roll3,4 *Enable *Disable			
	Tray Bypass	TRAY/Bypass *Enable *Disable			
PRINT SETUP FUSER	FUSER Temp.	Temp. *Auto *Manual ⇨	Temp./Manual *0 (L) - 7(H):4		
	FUSER Cycle Up				

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5.3 Printer Control Panel Menu (6050A)

The following is a list of the menus and submenus which can be accessed by pressing the <Menu> key and placing the printer in the offline mode.

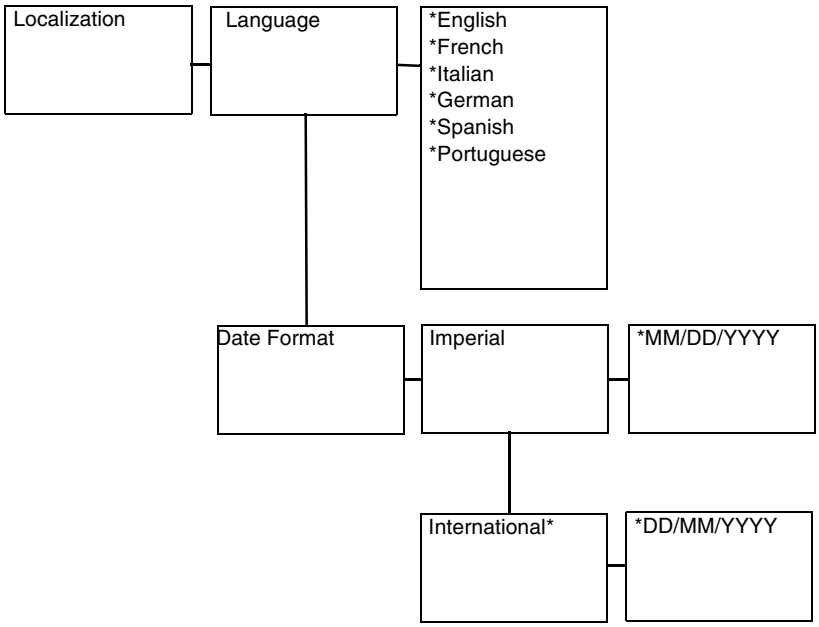
As a reminder, the following buttons are used to navigate the printer control panel menus.

<▲> key	Displays the previous menu item or value on the same menu level.
<▼> key	Displays the next menu item or value on the same menu level.
< ▶ > key	Displays the lower level menu item.
<◀ > key	Displays the higher level menu item.

Note *Table items that are preceded by an asterisk [*] represent the values that can be selected. Values that are connected via lines to other boxes lead to another, lower level, submenu or selection; these are accessed by pressing the < ▶ > key, after pressing the <Set> key to accept the previous selection.*

Note *It is recommended that the procedures covered in this chapter be performed using Web Printer Management Tool.*

[Localization] Menu



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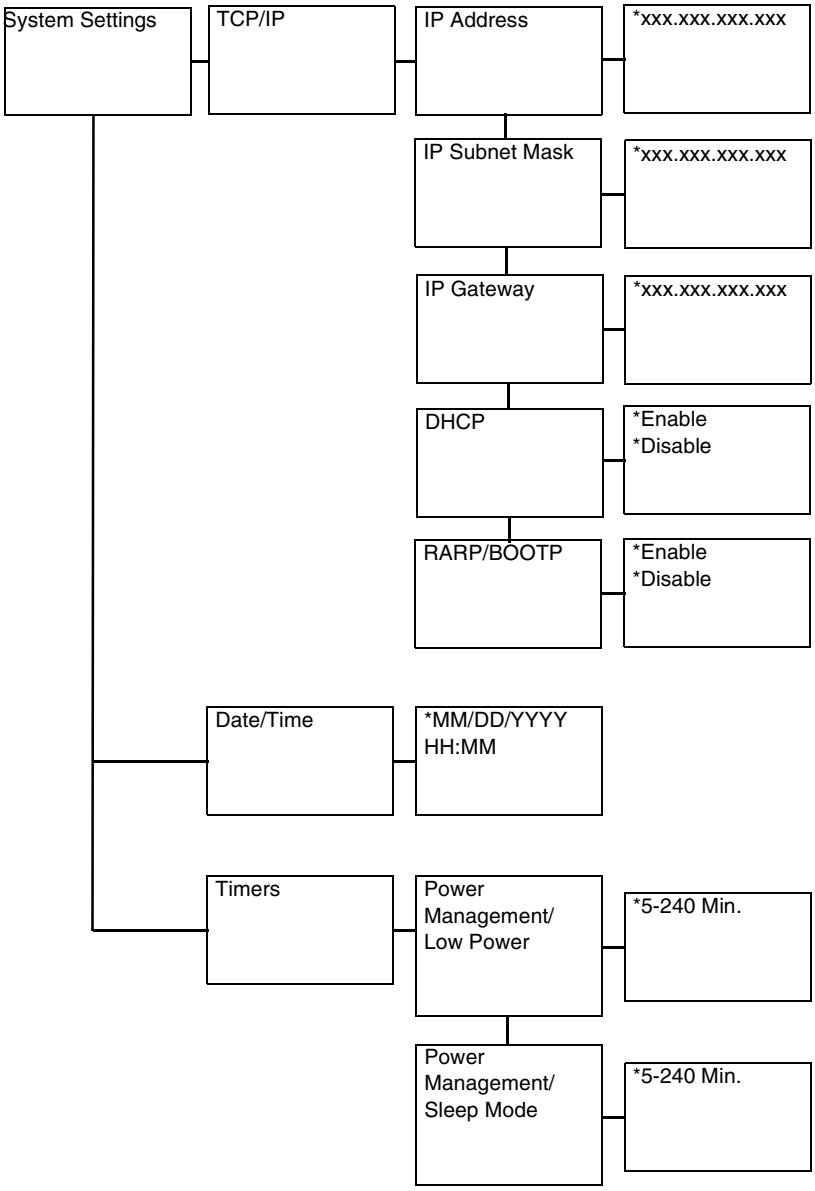
[System Settings] Menu



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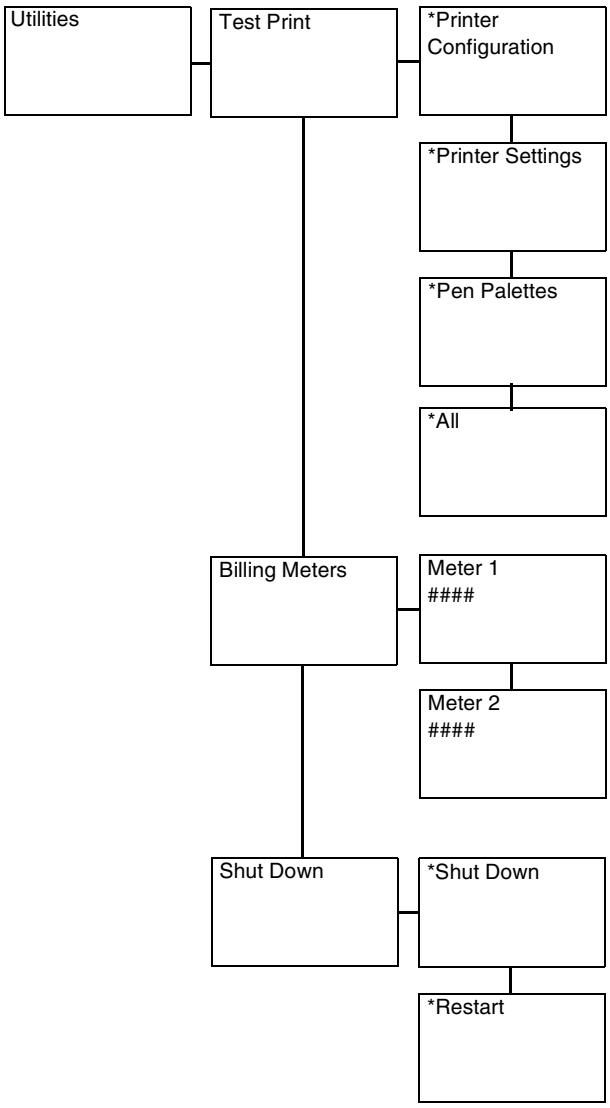
[Utilities] Menu



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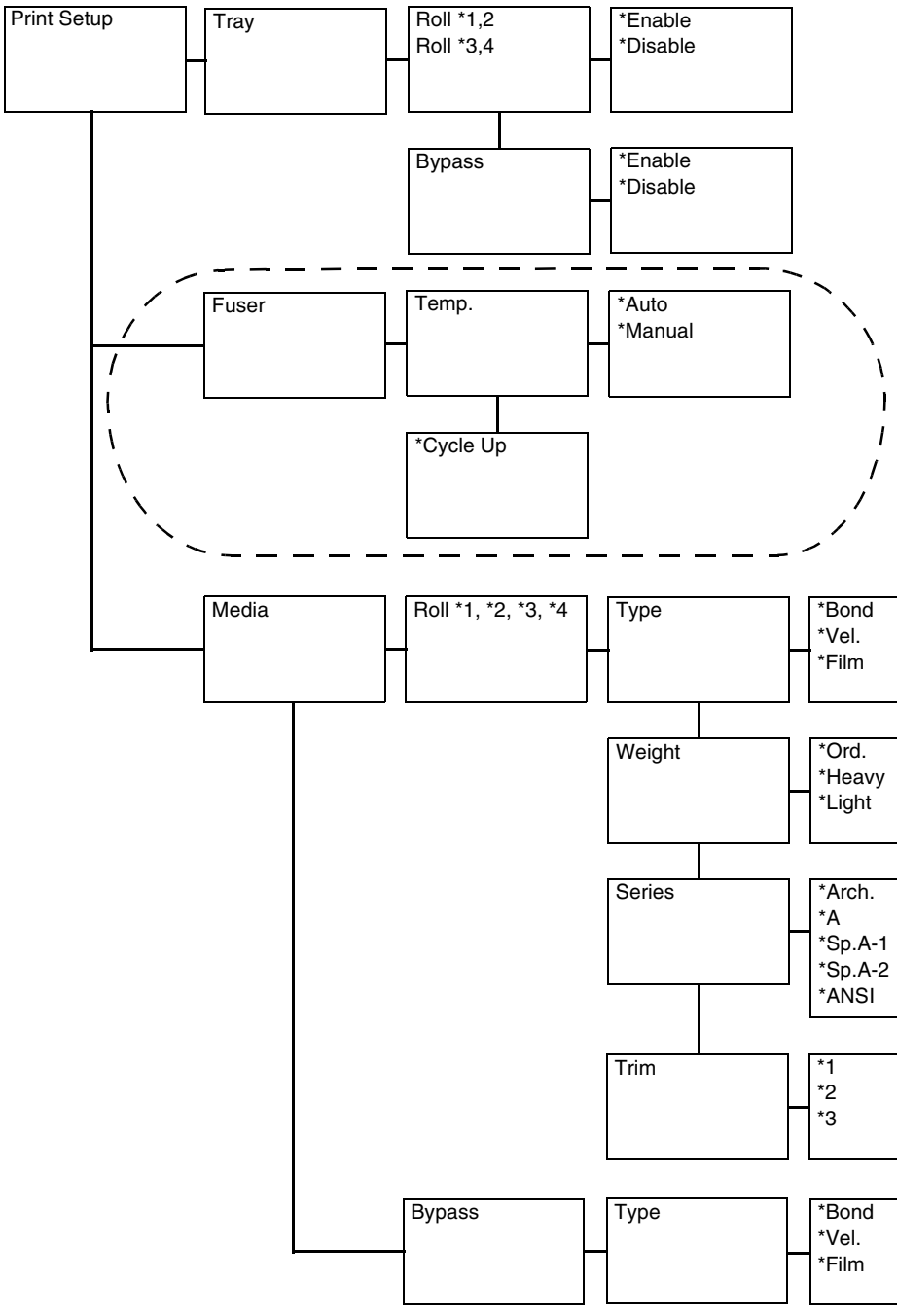
[Print Setup] Menu

The Print Setup menu should be used immediately after loading new media or changing the type and/or size of media in the media drawers or the bypass (MSI).



Note
The features in the [Fuser] submenu, while still present in the menu system, are not supported by the 6050A.

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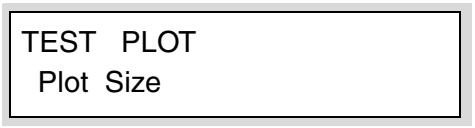
5.4 Test Printing (6030/6050 only)

This function prints out a test pattern to verify correct printer operation. The media size can be selected from A0 through A4.

Refer to *Refer to "2.2 Printer Control Panel Usage" for detailed instructions on printer control panel operation.*

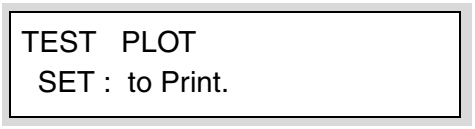
Procedure

1 Press the < ▶ > key with [TEST PLOT] displayed on the parameter selection screen.



2 Press the < ▶ > key.

3 Select the size of the media to print with the use of the <▼> and <▲> keys, and then press the <Set> key.
Press the < ▶ > key once it has been set.



4 Press the <Set> key when [SET: to Print.] is displayed.
The test data will be printed.

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5.5 Managing the Job and Error Logs (6030/6050 only)

Log data for print jobs is saved in the following two logs.

- Job Log
- Error Log

The user can perform the following log management tasks from the printer control panel.

- Set up the system to print the job log automatically.
- Print the log data.
- Delete (clear) the job and error logs.

Job Log

This section explains the procedures for managing the job log from the printer control panel.

Procedure

MENU JOB LOGGING	1 Press the < ▶ > key with [JOB LOGGING] displayed.
JOB LOGGING JOB LOG	2 Press the < ▶ > key with [JOB LOG] displayed.
JOB LOG SETTING	3 Select the relevant operations with the use of the <▼> and <▲> keys, and then press the < ▶ > key. The [SETTING], [PRINT], and [CLEAR] parameters will be displayed in that order.
	When [SETTING] is selected
SETTING Auto Mode	1. Select [Auto Mode] with the use of the <▼> and <▲> keys, and then press the

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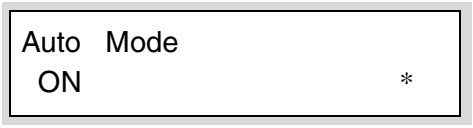
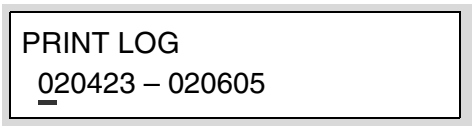
< ▶ > key.



2. Select either [ON] or [OFF] with the use of the <▼> and <▲> keys when [Auto Mode] has been specified, and then press the <Set> key.

   Note *When automatic printing is set to [ON], the processed jobs will be automatically printed out as soon as 51 pages of print data has accumulated.*

When [PRINT] is selected

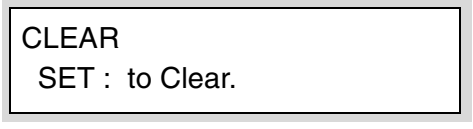


1. Select the starting date and ending date (YY, MM, DD) of the relevant jobs with the use of the <▼> and <▲> keys, and then press the <Set> key.
   Move the cursor to the right-hand side and press the < ▶ > key once the selection has been set.

   Note *Move the cursor to the right and left with the use of the <◀ > and < ▶ > keys. To return to the previous menu, move the cursor to the left-hand side and press the <◀ > key.*

2. Press the <Set> key when a message stating [SET:to Print.] is displayed.
   The job log will be printed.

When [CLEAR] is selected



Press the <Set> key when [SET: to Clear.] is displayed.
The job log will be deleted.

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Error Log (6030/6050 only)

This section explains the procedures for printing and clearing the error log.

Procedure

1 Press the < ▶ > key with [JOB LOGGING] displayed.

2 Display the [ERROR LOG] with the use of the <▼> key, and then press the < ▶ > key.

3 Select the desired operation ([Print] or [Clear]) using the <▼> and <▲> keys, and then press the < ▶ > key.
The [PRINT] and [CLEAR] parameters will display, in that order.

When [PRINT] is selected

1. Select the starting date and ending date (YY, MM, DD) of the period of interest using the <▼> and <▲> keys, and then press the <Set> key.
   Move the cursor to the last character and press the < ▶ > key after making the selection.

   Note *Move the cursor to the right and left with the use of the <◀ > and < ▶ > keys. To return to the previous menu, move the cursor to the left side and press the <◀ > key.*

2. Press the <Set> key when a message [SET: to Print.] is displayed.
   The error log will print.

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```
CLEAR
  SET :  to Clear.
```

When [CLEAR] is selected

Press the <Set> key when [SET: to Clear.] is displayed.
The error log will be deleted.

Sample Error Log List

[ErrorLog : Page 1] [Xerox 6050WF Version 2.X.XX]

JobNo	Data&Time	Task Name	ErrNo	ErrorLevel	Error Log	Error Data
1	02/04/17 15:49:30	OUTPUT	38	ERROR	PAGE MEMORY OVERFLOW	NO-PAGE-MEMORY Status from PrintMgr
20	02/04/22 20:38:05	HP PARSER	126	WARNING	UNRECOGNIZED_COMMAND	

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5.6 Reprinting (6030/6050 only)

This function reprints the file that was most recently printed. The copy quantity (1 to 99) also can be specified.

Note *Reprinting can not be performed if a copy job has been performed after the print job.*

Note *In order for reprinting to work, a job must be saved in memory.*

Procedure

1 Press the < ▶ > key with [OFFLINE PLOT] displayed on the parameter selection screen.

2 Press the < ▶ > key.

3 Press the < ▶ > key.

4 Select the print quantity with the <▼> and <▲> keys, and then press the <Set> key. Press the < ▶ > key after selecting the print quantity.

Note *Move the cursor to the right and left with the use of the <◀ > and < ▶ > keys.*

5 Press the <Set> key when [SET: to Print.] is displayed.
The file will reprint.

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5.7 Billing Meter Confirmation (6030/6050)

This feature displays the billing meters on the printer control panel. Quantities of up to nine digits can be displayed.

Menu Item	Description
METER 1	Displays the total area of media printed (in square feet or meters).
METER 2	Displays the total length of media printed (in feet and meters).
METER 3	Displays the total number of stamp prints.

Procedure

1 Press the < ▶ > key with [BILLING INFO] displayed.

2 Press the < ▶ > key.

3 Select the meter you wish to display ([Meter 1], [Meter 2], or [Meter 3]) using the <▼> and <▲> keys, and then press the < ▶ > key.

The selected meter and the current reading will display.

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5.8 Billing Meter Confirmation (6050A)

This feature displays the billing meters on the printer control panel. Quantities of up to nine digits can be displayed.

Menu Item	Description
METER 1	Displays the total area of media printed (in square feet or meters).
METER 2	Displays the total length of media printed (in feet and meters).

Procedure

1 Press the < ▶ > key with [UTILITIES] displayed.

2 Press the <▼> once, then press the < ▶ > key with [Billing Meters] displayed.

3 Select the meter you wish to display [Meter 1] or [Meter 2] using the <▼> and <▲> keys, and then press the < ▶ > key.

The selected meter and the current reading will display.

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5.9 Print Setup Menu

This section explains the items which can be set up from the [PRINT SETUP] Menu on the printer control panel.

Menu Item	Description
Media	Sets up the type, size, weight, and other parameters for the media that are loaded in the machine.
Tray	Used to isolate the system from the machine settings when a fault occurs with optional rolls 3 and 4. Important *Consult with your Service Representative before changing this setting.*
Fuser	Used to switch the temperature of the fuser. Important *Consult with your Service Representative before changing this setting.* Note This menu item, while still present in the 6050A UI does not have any effect on the fuser operation.

Setting Up Media

The media type, weight, and size series must be set up whenever you load new media in the machine or change the type and/or size of the media in the trays or in the MSI/(Multi Sheet Inserter/Manual Feed Bypass). These settings can be made at the printer control panel using the Print Setup menu.

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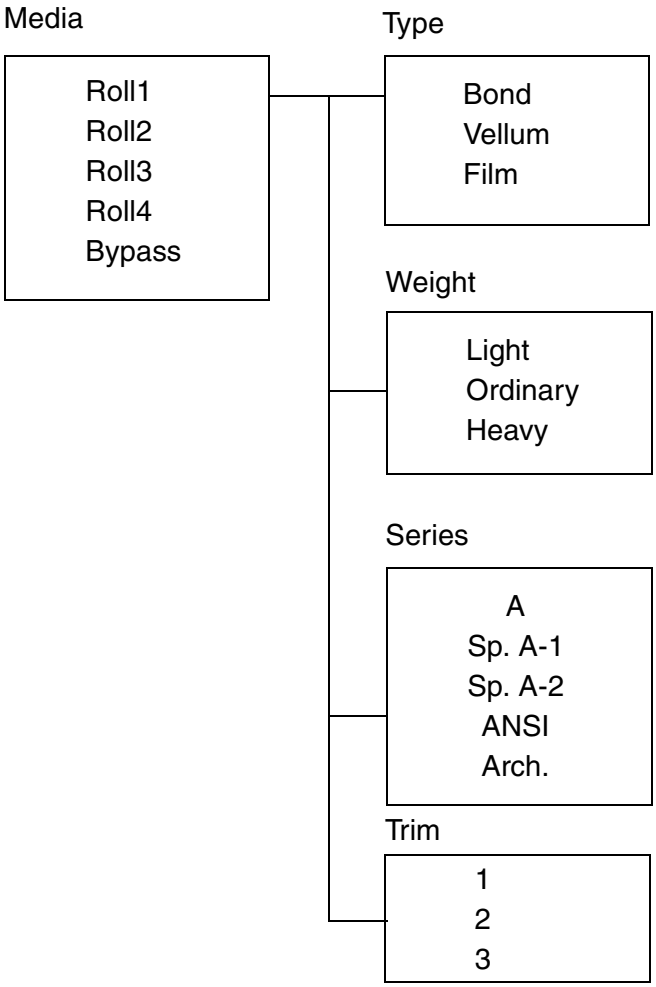

The media Size Series and sizes that can be set up are as follows.

Size Series	Eligible Media	
ISO A series	A4 (210 × 297 mm)	
	A3 (297 × 420 mm)	A3 roll media (297 mm wide)
	A2 (420 × 594 mm)	A2 roll media (420 mm wide)
	A1 (594 × 841 mm)	A1 roll media (594 mm wide)
	A0 (841 × 1,189 mm)	A0 roll media (841 mm wide)
SP. A-1 series	SP. A-0 (880 × 1,230 mm)	SP. A-0 roll media (880 mm wide)
	SP. A-1 (625 × 880 mm)	SP. A-1 roll media (625 mm wide)
	SP. A-2 (440 × 625 mm)	SP. A-2 roll media (440 mm wide)
	SP. A-3 (312 × 440 mm)	SP. A-3 roll media (312 mm wide)

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Size Series	Eligible Media
SP. A-2 series	SP. A-1 (620 × 871 mm) SP. A-1 roll media (620 mm wide) SP. A-2 (435 × 620 mm) SP. A-2 roll media (435 mm wide)
ARCH	36", 24", 18", 12", 9"
ANSI	34", 22", 17", 11", 8.5"

The media [Weight] can been specified as follows:

Media set to [Light]	Bond (16-18lb./ 60-69g/m^2)	
	Vellum (18-20lb./ 70-79g/m^2)	
	Film (50-69µ)	
Media set to Ordinary [Ord.]	Bond (18-20lb./ 70-85g/m^2)	Premium (20lb./75gsm) Performance (20lb./75gsm)
	Vellum (20-24lb./ 80-95g/m^2))	Premium Tracing (24lb./ 90gsm)
	Film (70-80µ)	Premium Film (75micron)
Media set to [Heavy]	Bond (20-29lb./ 86-110g/m^2)	Presentation (29lb./110gsm)
	Vellum (24-29lb./ 96-112g/m^2)	Premium Tracing (29lb./112gsm)
	Film (81-100µ)	Premium Film (100micron)

Procedure

<Menu> key

```
MENU
 NETWORK/PORT  SET
```

1 Press the <Menu> key.

The machine will enter the offline mode and the [NETWORK/PORT SET] menu will display.

<▼> <▲> key

```
MENU
 PRINT  SETUP
```

2 Press the <▼> key.

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The [PRINT SETUP] menu will display.

Note *The [NETWORK/PORT SET] menu screen will display if the <▲> key is pressed.*

<▶> key

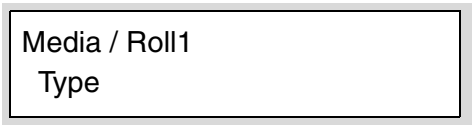
3 Press the <▶> key.
The submenu items will display.

<▼> <▲> key

4 Press the <▼> key.
The menu items on the same level will display, in order.

Note *The previous menu will display if the <▲> key is pressed.*

<▶> key



5 Press the <▶> key.
The submenu items on the next level will display.

<◀> key

6 Press the <◀> key to return to the higher level.

<◀> key

7 Press the <◀> key to return to the higher level.

8 Press <Menu> to exit the setup mode and return the machine to normal operation.

Selecting Values

This section provides an example of setting up a media value. The procedures for setting up other media values are similar.

1 The menu items will display.

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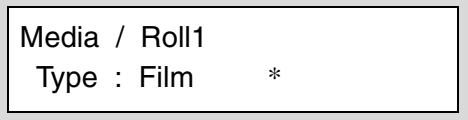
<▶> key

<▼> <▲> key

<Set> key



<◀> key

2 Press the <▶> key.
The specified value will display.

3 Change the setting with the use of the <▲> and <▼> keys.

4 Press the <Set> key to select the value.
An asterisk [*] will appear beside the selected value.

5 Press the <◀> key to return to the higher level.

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5.10 Automatic Cut Using the Printer Control Panel

This section describes how to cut the lead edge of the roll media.

Procedure

1 Select [Media] from the menu displayed on the printer control panel.

<▶> key

2 Press the <▶> key.
The level from which the desired media is to be selected will be displayed.

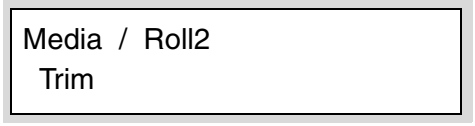
<▼> key

3 Press the <▼> key, and then select the roll that is to have its lead edge cut.

<▶> key

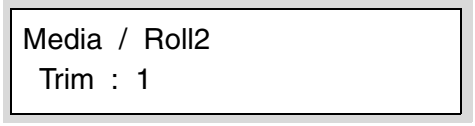
4 Press the <▶> key.
The level from which the setting is to be selected will be displayed.

<▼> key



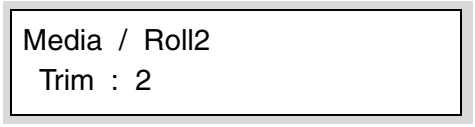
5 Press the <▼> key and select <Trim>.

<▶> key



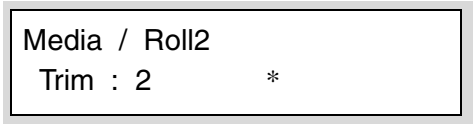
6 Press the <▶> key.
The level from which the number of cuts is to be selected will be displayed.

<▼> key



7 Press the <▼> key and select either [1], [2] or [3].

<Set> key



8 Press the <Set> key.

9 Press the <Set> key.
The lead edge cutting operation will be started.

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10 Press the <◀> key to return to the higher level.

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Tray

This normally is set to [Auto] and should not be changed by the user. Consult your Xerox Service Representative before changing this setting.

Fuser

This normally is set to [Auto] and should not be changed by the user. Consult with your Xerox Service Representative before changing this setting.

Note
The features in the [Fuser] submenu are not supported by the 6050A but are still present in the UI.

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Chapter 6

Ethernet Print Service (for UNIX)

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6.1 Overview of the Ethernet Print Service

Use the ftp command or the lpr command to print from the Xerox 6030/6050 Wide Format when running on UNIX and the tftp command for the Xerox 6050A. This section explains how to set up the ftp and lpr commands and their formats.

Important *The file to be printed should be in a data format that the Xerox 6030/6050 Wide Format supports. Sending a file with a data format that is not supported will result in a print error.*
Refer to "2.1 Overview of the 6030/6050/6050A Wide Format Printer" for information on supported data formats.

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6.2 Registering the Xerox 6030/6050 Wide Format Printer System

To print from the Xerox 6030/6050 Wide Format printer system, the Xerox 6030/6050 Wide Format printer system should be registered on the TCP/IP network.

Host System Registration

When the network information is managed by a name service such as NIS or DNS, the IP address and host name must be registered there.
When a name service other than NIS and DNS is used, the IP address and host name must be registered in the database used to transfer the file on the client side.

SunOS 5.X

In the case of SunOS 5.X, register the IP address and host name of the Xerox 6030/6050 Wide Format printer in the [/etc/hosts] file that defines the printers connected to the network.

In the example below, the Xerox 6030/6050 Wide Format printer system with the host name [oklahoma] is registered in the [/etc/hosts] file with the IP address [zzz.zzz.zzz.zzz], in a network consisting of the two workstations called [cosmos] and [venus].

```
# Sun Host Database
#
# If the NIS is running, this file is only consulted when booting
#
127.0.0.1  localhost
#oklahoma is Wide Format 6050 plotter
xxx.xxx.xxx.xxx  cosmos loghost
yyy.yyy.yyy.yyy  venus
zzz.zzz.zzz.zzz  oklahoma
```


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Registering the Remote Printer

For printing using the lpr command, both the host system and the remote printer must be registered on the client workstation.
Although the registration information depends on the system, the logical device names on the workstation must correspond with the logical printers on the Xerox 6030/6050 Wide Format printer system.

Refer to *Refer to the "Main Printing Functions" section in "2.1 Overview of the 6030/6050/6050A Wide Format Printer" for logical printer.*

SunOS 5.X

For SunOS 5.X, register the remote printer using the lpadmin command.

Important *You need to have root user privileges to use the lpadmin command.*

Refer to *For details of the lpadmin command, see SunOS 5.X User Guide.*

- Executing the lpadmin command

In the example below, the Xerox 6030/6050 Wide Format printer system with the host name [oklahoma] is registered.
If the printer devices plt00h, plt01h, and plt02h are specified, they are sent to the logical printers PLT00H, PLT01H, and PLT02H of [oklahoma].

```
#lpadmin -p plt00h -s oklahoma!PLT00H
#lpadmin -p plt01h -s oklahoma!PLT01H
#lpadmin -p plt02h -s oklahoma!PLT02H
```

Important *If csh is used, enter "\!" instead of "!" in the above to prevent the character "!" and subsequent characters from being replaced by the command log.*

In this example, the printer devices plt00h, plt01h, and plt02h are created new and set up. The Xerox 6030/6050 Wide Format printer system has 100 logical printers for each supported data format. Therefore, 100 entries can also be set using the lpadmin command.

Note *You can register the remote printer using the admintool prepared by SunOS. To register the remote printer, select the menu [Printer Manager] > [Edit] > [Add Printer] > [Add Access to Remote Printer]. Specify a logical printer name PLT00H in Printer Name, a host name 6050 WF in Printer Server, and BSD in Print Server OS.*

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AIX 3.2.X

For AIX 3.2.X, register the remote printer in the [/etc/qconfig] file defining the printer- unique attributes.

Refer to *For details on the respective operations and content, see "AIX 3.2.X User Guide."*

- Editing the /etc/qconfig file

In the example below, the Xerox 6030/6050 Wide Format printer system called [oklahoma] is registered in the [/etc/qconfig] file.
With this setting, when you send a file to a printer device called [plt10h] or [plt20h], the file is sent to [oklahoma].

```
plt10h:
        host = oklahoma
        s_statfilter = /usr/lpd/bsdshort
        l_statfilter = /usr/lpd/bsdlong
        rq = PLT10H
        device = dplt10hdplt10h:
        backend = /usr/lpd/rembak
*
plt20h:
        host = oklahoma
        s_statfilter = /usr/lpd/bsdshort
        l_statfilter = /usr/lpd/bsdlong
        rq = PLT20H
        device = dplt20hdplt20h:
        backend = /usr/lpd/rembak
*
```

Important *Be sure to specify a logical printer prepared in the 6030/6050 Wide Format printer system using rq.*

- Starting the Print Queue

After finishing the settings, start the print queue using the qadm command.

Setting the MAC frame format

The Ethernet supports two MAC frame formats [Ethernet V2.0] and [IEEE802.3], but the Xerox 6030/6050 Wide Format printer system supports [Ethernet V2.0] only. When setting the MAC frame format in the host computer, specify [Ethernet V2.0].

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6.3 Registering the Xerox 6050A Wide Format Printer System

To print from the Xerox 6050A Wide Format printer system, the 6050A should be registered on the TCP/IP network.

Host System Registration

When the network information is managed by a name service such as NIS or DNS, the IP address and host name must be registered there.

When a name service other than NIS and DNS is used, the IP address and host name must be registered in the database used to transfer the file on the client side.

SunOS 5.X

In the case of SunOS 5.X, register the IP address and host name of the X6050A in the [/etc/hosts] file that defines the printers connected to the network.

In the example below, the 6050A with the host name [oklahoma] is registered in the [/etc/hosts] file with the IP address [zzz.zzz.zzz.zzz], in a network consisting of the two workstations called [cosmos] and [venus].

```
# Sun Host Database
#
# If the NIS is running, this file is only consulted when booting
#
127.0.0.1  localhost
#oklahoma is Wide Format 6050A plotter
xxx.xxx.xxx.xxx  cosmos loghost
yyy.yyy.yyy.yyy  venus
zzz.zzz.zzz.zzz  oklahoma
```


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Registering the Remote Printer

For printing using the lpr command, both the host system and the remote printer must be registered on the client workstation.

Although the registration information depends on the system, the logical device names on the workstation must correspond with the logical printers on the Xerox 6030/6050 Wide Format printer system.

Refer to *Refer to the "Main Printing Functions" section in "2.1 Overview of the 6030/6050/6050A Wide Format Printer" for logical printer.*

SunOS 5.X

For SunOS 5.X, register the remote printer using the lpadmin command.

Important *You need to have root user privileges to use the lpadmin command.*

Refer to *For details of the lpadmin command, see SunOS 5.X User Guide.*

- Executing the lpadmin command

In the example below, the 6050A with the host name [oklahoma] is registered.

In contrast to the 6030/6050 with its plt00h, etc., the queue names for the 6050A with the Accxes controller are always given the name of [raw].

```
#lpadmin -p oklahoma -s oklahoma!raw
```

Important *If csh is used, enter "\!" instead of "!" in the above to prevent the character "!" and subsequent characters from being replaced by the command log.*

In this example, the printer device [oklahoma] is created new and set up.The queue [raw] will be used to accept jobs.

Note *You can register the remote printer using the admintool prepared by SunOS. To register the remote printer, select the menu [Printer Manager] > [Edit] > [Add Printer] > [Add Access to Remote Printer]. Specify a logical printer name raw in Printer Name, a host name 6050 WF in Printer Server, and BSD in Print Server OS.*

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AIX 3.2.X

For AIX 3.2.X, register the remote printer in the [/etc/qconfig] file defining the printer- unique attributes.

Refer to *For details on the respective operations and content, see "AIX 3.2.X User Guide."*

- Editing the /etc/qconfig file

In the example below, 6050A called [oklahoma] is registered in the [/etc/qconfig] file.
With this setting, when you send a file to a printer device called raw, the file is sent to [oklahoma].

```
plt10h: Name (Accxes6050A)
        host = oklahoma
        s_statfilter = /usr/lpd/bsdshort
        l_statfilter = /usr/lpd/bsdlong
        rq = PLT10H
        device = dplt10hdplt10h:
        backend = /usr/lpd/rembak
*
plt20h:
        host = oklahoma
        s_statfilter = /usr/lpd/bsdshort
        l_statfilter = /usr/lpd/bsdlong
        rq = PLT20H
        device = dplt20hdplt20h:
        backend = /usr/lpd/rembak
*
```

Important *Be sure to specify a logical printer prepared in the 6030/6050 Wide Format printer system using rq.*

- Starting the Print Queue

After finishing the settings, start the print queue using the qadm command.

Setting the MAC frame format

The Ethernet supports two MAC frame formats [Ethernet V2.0] and [IEEE802.3], but the Xerox 6030/6050 Wide Format printer system supports [Ethernet V2.0] only. When setting the MAC frame format in the host computer, specify [Ethernet V2.0].

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6.4 Printing Using the ftp Command (6030/6050 only)

Details of the ftp command are explained below.

Note *Bold characters represent input character strings in each example.*

Printing

This section explains the printing procedure using the ftp command.

Procedure

1 Enter the ftp command and the network that is registered with a Xerox 6030/6050 Wide Format host name (example: 6050WF) at the client workstation.
A message indicating that the connection has completed will be displayed.

```
% ftp 6050WF
Connected to 6050WF.
220 6050 Wide Format FTP server ready
Name (6050WF:ftpusr):
```

2 Log on to the Xerox 6030/6050 Wide Format. Enter a user name (example: ftpusr) pre-registered in Xerox 6030/6050 Wide Format.
You are prompted to enter a password.

```
Name (6050WF:ftpusr): ftpusr
331 Password required
Password:
```

Note *"ftpusr" is the only user registered at shipping. Users can be added using Print Services on Web. Refer to "3.8 System Parameter Setup (Print Services on Web, 6030/6050)" for further details.*

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3 Enter the password of the user logged in at Step **2**.

If the user information registered in the Xerox 6030/6050 Wide Format matches the logged-in user password, the login acceptance message is displayed.

```
Password:
230 User logged in
ftp>
```

Note *The password of the user (ftpusr) is [ftpusr] at shipping.*

4 Specify a logical printer (example: plt00h). Enter the logical printer name using the cd subcommand.

A message indicating that the logical printer has been set will be displayed.

```
ftp> cd plt00h
250 Changed directory to "/ata0-p1/plt00h"
ftp>
```

5 Specify the bin subcommand for a data format.

```
ftp> bin
200 Type set to A, bin mode
ftp>
```

Note *The ascii subcommand can be specified only for HP-GL data. Specify the bin subcommand for HP-GL/2, HP-RTL, Versatec, TIFF, and CALS data. The bin subcommand can also be specified for HP-GL data.*

6 Enter a print file name (example: kikai_01.hp) using the send or put subcommand.

A message indicating that the transferred port has been set will be displayed. A message indicating the file name, and a message indicating the transfer data volume and time depend on the client-side application.

```
ftp> sendplans_01.hp
200 Port set okay
150 Opening ASCII mode data connection
226 Transfer complete
local: plans_01.hp remote: plans_01.hp
17720 bytes sent in 0.14 seconds (1.2e+02 Kbytes/s)
ftp>
```


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7 Specify the end. Enter the bye subcommand.

A message indicating that ftp command has completed will be displayed.

```
ftp> bye
221 Bye...see you later
%
```


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Other Subcommands

This section explains the ftp subcommands.

ascii:	Sets transfer data to the ASCII format.
bin:	Sets transfer data to the binary format.
bye:	Terminates FTP processing.
cd:	Change directory; will display logical printer.
dir:	Displays directory; will display logical printers set from the control panel. If nothing is specified in the Xerox 6030/6050 Wide Format, only the logical printer at address 00 is displayed.
ls:	Displays directory; will display logical printers set from the console panel. If nothing is specified in the Xerox 6030/6050 Wide Format, only the logical printer at address 00 is displayed.
mput:	Instructs the two or more specified files to be transferred to Xerox 6030/6050 Wide Format interactively. However, this transfer can be specified to an existing logical printer only.
open:	Connects the client workstation to the Xerox 6030/6050 Wide Format.
put:	Transfers a specified file to the Xerox 6030/6050 Wide Format. However, this transfer can be specified to an existing logical printer only.
pwd:	Present working directory; displays the currently specified logical printer name.
send:	Transfers a specified file to the Xerox 6030/6050 Wide Format. However, this transfer can be specified to an existing logical printer only.

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Message List

This section explains messages that may be displayed during printing using the ftp command.

Can't build data connection

Status: Cannot establish connection for data transfer.

Action: Wait a few moments and try again.

Can't create control file, please try later

Status: Cannot create a control file using the STOR command.

Action: Wait a few moments and try again.

Can't create status file, please try later

Status: Cannot create a job file using the LJ command.

Action: Wait a few moments and try again.

Can't open passive connection

Status: Cannot create a socket in passive mode.

Action: Wait a few moments and try again.

Cannot create file "xx" or permission problem

Status: Cannot open a parameter file for creating the specified file.

Action: Wait a few moments and try again.

Command "xx" not understood

Status: Command (XX) received not supported.

Action: Enter the correct command.

Control connection read error

Status: A control connection error occurred in the FTP command wait status. Therefore, the connection was disconnected.

Action: For another transfer, establish the connection again.

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Data connection error

Status: A data connection error occurred during file transfer.

Action: Establish the connection and transfer the file again.

Directory non existent or syntax error

Status: A non-existent directory (logical printer) is specified.

Action: Specify the correct directory (logical printer).

Error in input file

Status: An error occurred in an output file during transfer.

Action: Establish the connection and transfer the file again.

File "xx" not found or permission problem

Status: Failed to open or read a parameter file corresponding to the logical printer specified by the ls command.

Action: Wait a few moments and try again.

Insufficient storage space in system, please try later

Status: Cannot transfer data because the hard disk is full.

Action: Wait until a space is reserved on the hard disk, and start transfer again.

Invalid command

Status: An invalid command is received.

Action: Transfer the correct command.

Job queue is full, please try later

Status: Cannot receive data because the job queue is full.

Action: Wait a few moments and try again.

Local resource failure: Xerox 6030/6050 WF is busy

Status: Cannot accept data transfer because the system is overloaded.

Action: Check the system for a media-out or media jam error. Wait a few moments and try again. If the error occurs frequently, restart the Xerox 6030/6050 Wide Format.

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Local resource failure: ReceiveCmplt status

Status: Failed to transfer the file.

Action: Wait a few moments and try again.

Local resource failure: ReceiveMComp

Status: Failed to receive the file transfer end message.

Action: Wait a few moments and try again.

Local resource failure: ReceiveMId

Status: Failed to receive the file transfer permission message.

Action: Wait a few moments and try again.

Local resource failure: SendMComp

Status: Failed to send the file transfer end message.

Action: Wait a few moments and try again.

Local resource failure: SendMId

Status: Failed to send the file transfer start message.

Action: Wait a few moments and try again.

Local resource failure: please start queuing

Status: Cannot accept file transfer because queuing is stopped.

Action: Start queuing and execute printing again.

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Login failed

Status: The user name and password do not match.

Action: Log in again with the correct user name and password.

No file found or invalid directory or permission problem

Status: Failed to open the directory by the LIST command.

Action: Wait a few moments and transfer the command again.

Parameter not accepted

Status: ASCII or Binary is not specified by the TYPE command.

Action: Specify ASCII or Binary.

Syntax error: Please specify file structure only

Status: A file structure is not specified by the STRU command.

Action: Specify a file structure.

Syntax error: Please specify representation type

Status: A transfer type was not specified by the TYPE command.

Action: Specify the correct type.

Syntax error: Please specify send file name

Status: A file name was not specified by the STOR command.

Action: Specify the correct file name.

Syntax error: Please specify stream mode only

Status: A non-stream mode is specified by the MODE command.

Action: Specify the stream mode by the MODE command.

Time-out: closing control connection

Status: The connection is disconnected because nothing was transferred to the FTP within the specified time.

Action: For another transfer, establish the connection again.

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Unimplemented TYPE x

Status: Transfer by an unsupported type was attempted.

Action: Specify [Image (Binary)] or [ASCII] with the TYPE command.

User "xx" is not existed, need account for login

Status: Logged in with a user name that is not registered.

Action: Log in with a registered user name. In the factory, only [ftpusr] is registered as the user name.

USER and PASS required

Status: A user name or password was not specified by the USER or PASS command, or various commands were transferred without login.

Action: Log in with a registered user name and password and try again.

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6.5 Printing Using the lp/lpr Command

Details of each command are explained.

Note *Bold characters represent input character strings in each example.*

Printing (lpr Command)

This section explains the printing procedure using the lpr command.

Format

lpr [-P<Logical Printer Name>] [-#<Copy Count>] [-s] <File Name>

-P<Logical Printer Name>

Specify a logical printer name immediately after P (with no space) to output data to the specified printer.
If no logical printer name is specified, the logical printer lpr is selected.

-#<Copy Count>

Specify the number of copies by entering a numeric value from 1 to 99 for the 6030/6050 or 1 to 199 for the 6050A. If more than 100 for the 6030/6050 or more than 1000 for the 6050A is specified, an error message is displayed and the specification is canceled.
If nothing is entered, one copy is printed for the 6030/6050, and the default copy count is used for the 6050A.

-s

Specify this to transfer a file by a symbolic link without storing in the spool area.

Important *Do not delete or modify the file specified by <File Name> before the processing of the print request ends completely.*

Note *The lpr options other than above are ignored.*

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Usage Examples (6030/6050)

The printing procedure using the lpr command is as explained below.

Example 1:To print one copy of the file [drawa.hpgl] by logical printer [plt00h].

```
% lpr -Pplt00h drawa.hpgl
```

Example 2:To print two copies each of the files [drawb.hpgl] and [drawc.hpgl] by logical printer plt00h.

```
% lpr -Pplt00h -#2 drawb.hpgl drawc.hpgl
```

Example 3:To print one copy of the file [drawd.hpgl] by logical printer [plt01h].

```
% lpr -Pplt01h drawd.hpgl
```

Example 4:To print one copy each of the files [drawe.hpgl] and [drawf.hpgl] by logical printer [plt02h].

```
% lpr -Pplt02h drawe.hpgl drawf.hpgl
```


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Usage Examples (6050A)

The printing procedure using the lpr command is as explained below.

Example 1:To print one copy of the file [drawa.hpgl] by logical printer [raw].

```
% lpr -Praw drawa.hpgl
```

Example 2:To print two copies each of the files [drawb.hpgl] and [drawc.hpgl] by logical printer [raw].

```
% lpr -Praw -#2 drawb.hpgl drawc.hpgl
```

Example 3:To print one copy of the file [drawd.hpgl] by logical printer [raw].

```
% lpr -Praw drawd.hpgl
```

Example 4:To print one copy each of the files [drawe.hpgl] and [drawf.hpgl] by logical printer [Accxes6050A].

```
% lpr -PAccxes6050A drawe.hpgl drawf.hpgl
```


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Printing (lp Command) (for SunOS 5.x)

This section explains the printing procedure using the lp command.

Format

lp [-d <Logical Printer Name>] [-n <Copy Count>] [-c] <File Name>

lp [-d <Logical Printer Name>

Data is output to the specified printer.

-n <Copy Count>

Specify the number of copies by entering a numeric value from 1 to 99 for 6030/6050 and 1 to 999 for 6050A. If 100 or more is specified for the 6030/6050 or if more than 1000 is specified for the 6050A, an error message is displayed and the specification is canceled.
If no entry is made, one copy is output for the 6030/6050 and the default amount of copies are output for 6050A..

-c

Specify this to create a copy of <File Name> before starting printing. A file is then transferred. If this is omitted, a file is transferred by a link without creating a copy of <File Name>.

Important *Do not delete or modify the file specified by <File Name> before the processing of the print request ends completely.*

Examples of use

The printing procedure using the lp command is as explained below.

Example 1:To print one copy of the file [drawa.hpgl] to logical printer [plt00h] ([raw] for 6050A)

```
% lp -d plt00h -c drawa.hpgl
```

Example 2:To print two copies each of the files [drawb.hpgl] and [drawc.hpgl] to logical printer [plt00h] ([raw] for 6050A)

```
% lp -d plt00h -c -n 2 drawb.hpgl drawc.hpgl
```

Example 3:To print one copy of the file [drawd.hpgl] to logical printer [plt01h] ([raw] for 6050A)

```
% lp -d plt01h -c drawd.hpgl
```


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Status Display (lpq Command)

This section explains how to display the status of a file that has been specified for printing using the lpr command.

Format

lpq [-P<Logical Printer Name>]

-P<Logical Printer Name>

Enter the name of the logical printer immediately after the P (with no space). After doing this, the status of the file(s) being processed by the specified logical printer will display. If a logical printer name is not entered, the status of file(s) named lp will display.

Examples of use

Example 1:Display the status of a file transferred to logical printer [plt00h] ([lpq -P oklahoma] for 6050A).

If no file is being processed, the following message will be displayed.

```
% lpq -Pplt00h
no entries
%
```

Example 2:Display the status of a file transferred to logical printer [plt01h] ([lpq -P oklahoma] for 6050A).

When the transfer of the [drawd.hpgl] file to the Xerox 6030/6050/6050A Wide Format is completed, the following message will be displayed.

```
% lpq -Pplt01h
Job ID    Sent By     Status    Prior.    Document Name    Prt    Size(KB)
123       williams    Queued    Normal    drawd.hpgl       O1H    980

%
```


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Example 3:Display the status of a file transferred to logical printer [plt01h] ([lpq -P oklahoma] for 6050A).

When the transfer of the file [drawd.hpgl] to the Xerox 6030/6050/6050A Wide Format is completed, and the Xerox 6030/6050/6050A Wide Format has received the next job, the following message will be displayed.

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
123       williams    Queued      Normal   drawd.hpgl      O1H   980
124       Unknown     Receiving   Normal   Unknown         O1H   Unknown
%
```

Example 4:Display the status of a file transferred to logical printer [plt01h] ([lpq -P oklahoma] for 6050A).

The message below indicates:

- That the transfer of the files [drawa.hpgl] and [drawb.hpgl] to the Xerox 6030/6050/6050A Wide Format is complete, and that file [drawa.hpgl] file is printing.
- That the files [drawe.hpgl] and [drawf.hpgl] are in the client queue waiting for transfer.

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
   123    williams    Printing    Normal   drawa.hpgl      O1H   980
   124    smith       Queued      Normal   drawb.hpgl      O1H   5963

cosmos: sending to oklahoma
Rank      Owner       Job         Files
1st       smith       416         drawe.hpgl
2nd       smith       417         drawf.hpgl
%
```

Note *The information starting with* [*Job ID Sent By Status Prior. Document Name Prt Size (KB)*] *indicates the status of the Xerox 6030/6050/6050A Wide Format.*

[*cosmos: sending to oklahoma*] *or* [*Rank Owner Job Files Total Size*] *indicates the client status.*

The job ID for the client and the job ID for the Xerox 6030/6050/6050A Wide Format are assigned separately.

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Cancel (lprm Command)

This section explains how to cancel a print job submitted from the network.

Format

lprm [-P<Logical Printer Name>] <Job ID>

-P<Logical Printer Name>

Specify a logical printer name immediately after the P (with no space) to cancel a print job that is being processed by the specified printer. If no logical printer name is specified, the print job being processed by logical printer lp is canceled. (e.g. lprm -P oklahoma for 6050A).

<Job ID> Specify the job ID of the job to be canceled. The status display command [lpq] displays job IDs. If this is omitted, all print jobs are canceled.

Note *Job IDs on the Xerox 6030/6050 Wide Format side and the client side are allocated separately.*

Examples of use

Example 1:Displays the status of logical printer [plt01h] and the canceling of job ID [124].

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.    Document Name    Prt    Size(KB)
   123    williams    Printing    Normal    drawa.hpgl       O1H    980
   124    smith       Queued      Normal    drawb.hpgl       O1H    5963

cosmos: sending to oklahoma
Rank      Owner       Job         Files
1st       smith       416         drawe.hpgl
2nd       smith       417         drawf.hpgl
% lprm -Pplt01h 124
job 124 dequeued
%
```


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Example 2:Displays the status of logical printer [plt01h] and the canceling of job ID [123]

This print job cannot be canceled because it is already in progress.

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
   123    williams    Printing    Normal   drawa.hpgl      O1H   980
   124    smith       Queued      Normal   drawb.hpgl      O1H   5963

cosmos: sending to oklahoma
Rank      Owner       Job         Files
1st       smith       416         drawe.hpgl
2nd       smith       417         drawf.hpgl
% lprm -Pplt01h 123
job 123 can not be dequeued
%
```

Example 3:Displays the status of logical printer [plt01h] and the canceling of job ID [417] in the client queue

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
   123    williams    Printing    Normal   drawa.hpgl      O1H   980
   124    smith       Queued      Normal   drawb.hpgl      O1H   5963

cosmos: sending to oklahoma
Rank      Owner       Job         Files
1st       smith       416         drawe.hpgl
2nd       smith       417         drawf.hpgl
% lprm -Pplt01h 417
dfA417cosmos dequeued
dfA417cosmos dequeued
dfA417cosmos dequeued
%
```


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Example 4:Displays the status of logical printer [plt01h] and the canceling of job ID [416] in the client queue

If the file transfer to the Xerox 6030/6050 Wide Format completes before the job in the client queue is canceled, the print job cannot be canceled. Display the Xerox 6030/6050 Wide Format print status, check the job IDs of the logical printer, and cancel the print job again.

```
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
   123    williams    Printing    Normal   drawa.hpgl      O1H   980
   124    smith       Queued      Normal   drawb.hpgl      O1H   5963
cosmos: sending to oklahoma
Rank      Owner       Job         Files
1st       smith       416         drawe.hpgl
2nd       smith       417         drawf.hpgl
% lprm -Pplt01h 416
%
% lpq -Pplt01h
Job ID    Sent By     Status      Prior.   Document Name   Prt   Size(KB)
125       smith        Queued     Normal   drawd.hpgl      O1H   1980
%
% lprm -Pplt01h 125
Job 125 dequeued
%
```


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Message List (6030/6050 only)

This section explains messages that may be displayed during printing using the lpr command. These messages depend on the system because they are output from the client workstation.

```
Cannot create /usr/spool/pltXXX/.seq
```

Status: The lpd daemon on the client failed to create a control file.

Action: Check the spool directory.

```
Copy file is too large
```

Status: The data is too large to store in the spool directory.

Action: Extend the spool directory area or attach the [-s] flag, then execute the lpr command using a symbolic link.

```
XXprinter:Jobs queued, but cannot start daemon
```

Status: Cannot start the lpd daemon on the client.

Action: Restart the daemon by the lpr command.

```
XXprinter:Printer queue is disabled
```

Status: The queue is stopped.

Action: Restart the daemon by the lpr command.

```
XXprinter:Unknown printer
```

Status: A printer that is not registered in the system was specified.

Action: Check the printer registration in the [/etc/printcap] file.

```
jobXX can not dequeue
```

Status: Failed to delete job No.XX in the print service queue.

Action: Check by the lpq command whether the specified job has already changed from the wait status in the queue to the processing status.

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PLTXX can not dequeue

Status: Failed to delete a job from logical printer PLTXX on the print service side.

Action: Check by the lpq command whether the specified job has already changed from the wait status in the queue to the processing status.

connection busy

Status: Failed to establish connection for data transfer.

Action: No action is necessary. The print service side accepts data transfer requests for up to 10 sessions. This message is displayed if requests are received for more than 10 sessions. Usually, resubmission is executed on the client side.

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Chapter 7

Maintenance

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7.1 Loading Toner

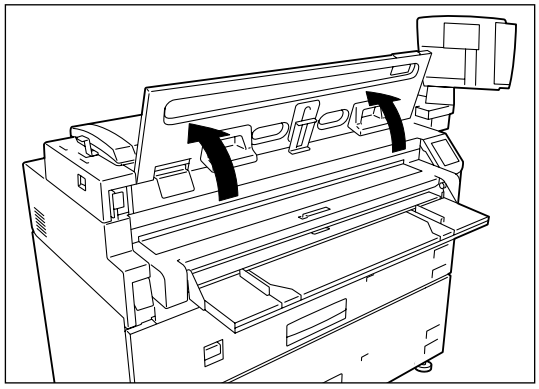
Important Load no more than one cartridge of toner when the message "Add Black Toner" first appears on the printer control panel.

Observe the following precautions when handling the toner.

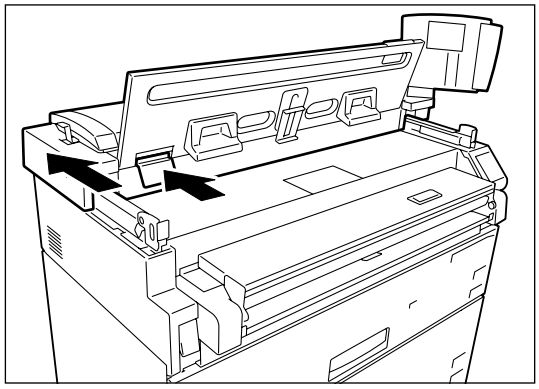
- Handle the toner carefully to avoid spilling it on your clothing or around the machine.
- Never throw a used toner cartridge in an open flame.

Load the toner as described below.

Procedure



1 Lift the scanner document table until it locks in the open position.



2 Push in the lever shown in the illustration and push the entire scanner assembly toward the back of the machine. The toner supply port will appear at the front of the scanner.

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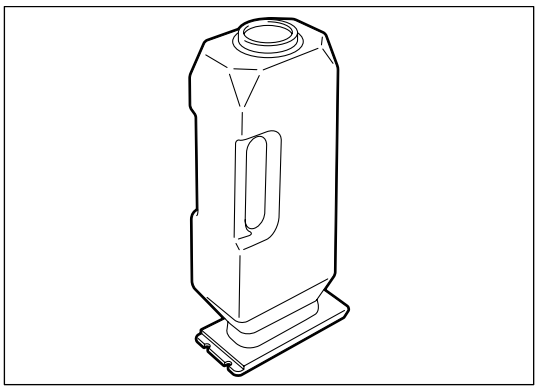
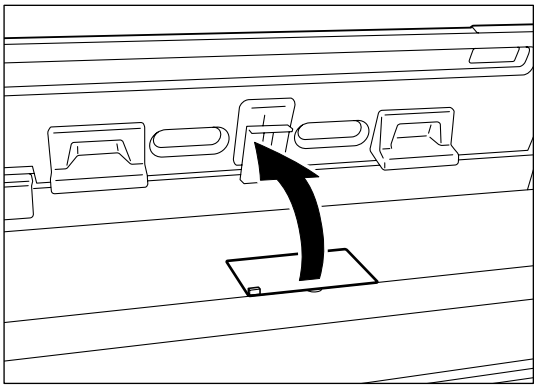
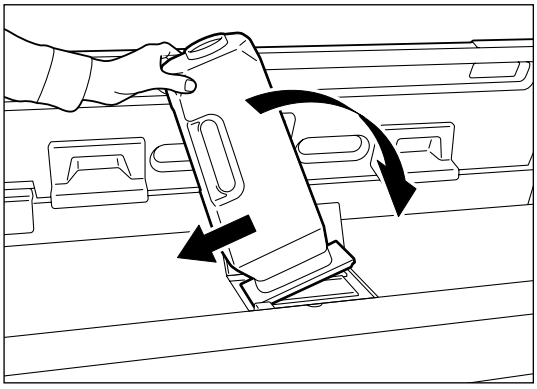


3 Take the toner cartridge out of the package and prepare it for loading.

Note *Shake the toner cartridge well to ensure that the toner will dispense properly.*

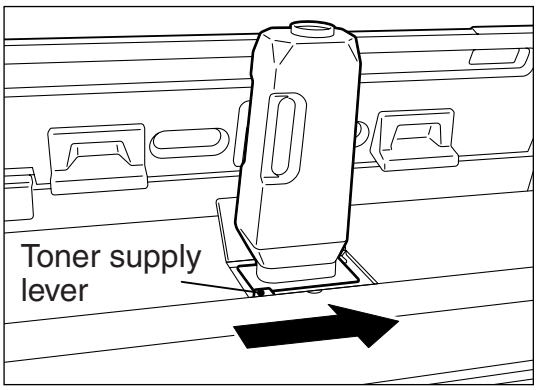


4 Open the lid of the toner supply port.



5 Insert the left side notch, located at the bottom of the toner cartridge, into the end of the toner supply port. Then hold the toner cartridge vertically on top of the supply port.

Important *Align the protruding part of the cartridge with the notch when inserting it in the port.*



6 Slide the toner supply lever to the right. The cover at the bottom of the toner cartridge will open and the toner will be released into the machine.

Note *Tap the toner cartridge gently to ensure that all of the toner is poured into the machine.*

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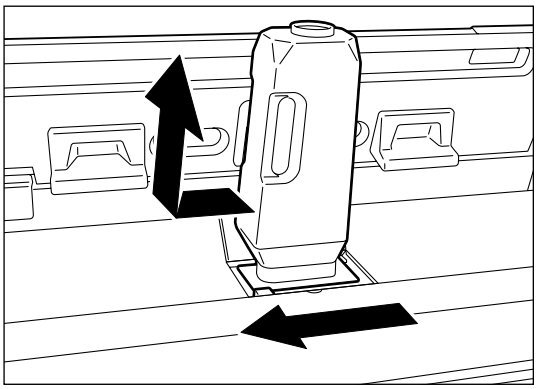
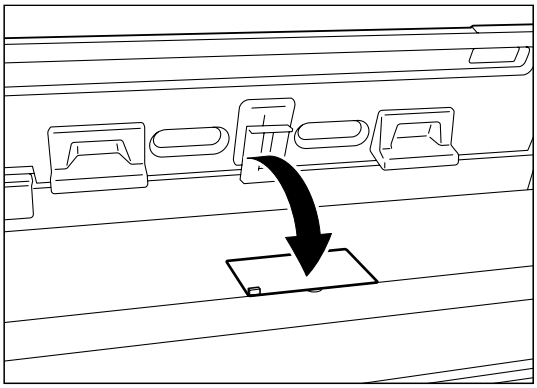
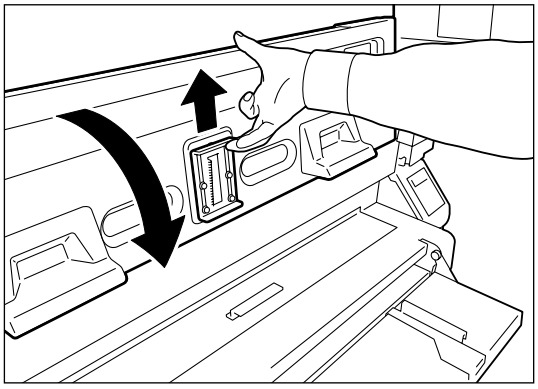


7 Slide the toner supply lever back and remove the cartridge.

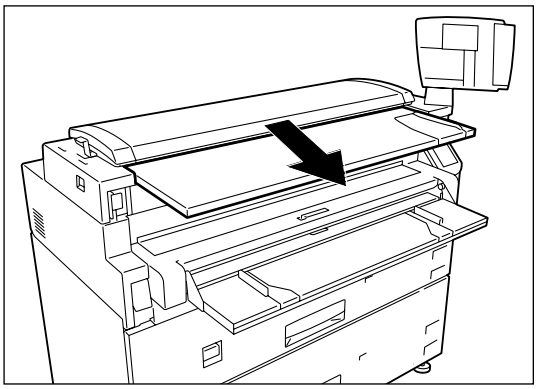


8 Close the lid on the toner supply port.

Important
- If the toner splashes around the toner supply port, clean the area after the loading is completed.
- Toner may adhere to the bottom of toner cartridge. Be careful to prevent the toner from getting on your hands or clothing.



9 Pull up the lock lever in the middle rear of the scanner document table and then close the document insertion guide.



10 Pull the scanner back to the front.

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Chapter 8

Problem Solving

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8.1 Check the Control Panel(s)

When a machine failure is suspected, for example, when a print cannot be made or the image quality is defective, first check for error messages or error codes on the printer control panel.
When an error code is displayed, press the <◀> and <▶> keys on the printer control panel at the same time. If the error reoccurs after pressing these buttons, contact your Service Representative.

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8.2 Poor Image Quality

Perform the following corrective measures if the copies or prints display one of the image quality defects listed below.

Image Quality Defect	Corrective Measure
The print displays excessive background	Verify that the image density setting is correct. Check the quality of the original. • Reduce the image density setting. • Increase the background suppression setting.
Some parts of the image did not print or are blurred	Verify that the image density setting is correct. • Change the image density setting. Determine if the media is damp. • Switch on the paper heater switch, if it is off. • Replace the damp media with new media. • Change the sharpness setting. Confirm that the size of the document does not exceed the limit. • Check the length and width of the document. If the size exceed the limit, split the document and copy it in sections. • Verify that sufficient memory is installed.
The print is wrinkled	Determine if the media is damp. • Switch on the paper heater switch, if it is off. • Replace the damp media with new media.

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8.3 Other Problems

Follow the instructions provided in the table to recover from the errors which are listed.

Error	Recovery
Nothing is displayed on the printer control panel.	• Verify that the machine is connected to a correctly rated power supply, that the power plug is plugged in, and that the power switches and the circuit breaker switch are in the On positions. • Adjust the contrast of the touch screen.
It is not possible to insert documents	• Check the printer control panel for error messages or error codes. • Perform the corrective measures indicated on the control panels. • If the condition does not improve, contact your Service Representative.
Media jams occur frequently	• Check for and remove loose pieces of media from inside the machine. • Verify that the media is not curled, folded, wrinkled, or torn. Replace the media if any of these conditions apply. • Verify that the media is loaded correctly. Reload the media if necessary. • Verify that suitable media is being used. Only use paper recommended by your Service Representative.

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8.4 Printer Troubleshooting

This section provides recovery methods for problems which are associated with printing.

Paper size #1 was mistakenly selected. (6030/6050 only)

⇨ There are cases where it is possible to override this with the [Media Margin] settings.
The [Media Margin] settings are the values that set the top, bottom, left and right margins in order for the machine to determine the input size. By setting the margin values outside the scope of the paper, it is possible to reduce the input judgment size.

Refer to *Refer to the "Input Size Margin" section of "4.3 Logical Printer Print Settings" for details on available functions.*

No paper error occurs even when paper has been set in place. (6030/6050 only)

⇨ There is a chance that the paper actually set in place differs from the settings made in either [Media Mapping], [Media Type] or [Media Series]. Check each of these settings to ascertain they are correct.

Refer to *Refer to the "Size/Media Mapping" section, the "Media Type" section, and the "Media Series" section in "4.3 Logical Printer Print Settings" for details on available functions.*

TIFF data will not print properly. (6030/6050 only)

⇨ Check the compression format of the TIFF data. TIFF data compressed with the LZW format is not supported by the 6030/6050 Wide Format and will not print.
If the image is printed but either in enlarged or reduced sizes, there are cases where this can be overridden by making sure that resolution for the TIFF data is correctly set in [TIFF Option].

Refer to *Refer to the "TIFF Option" section in "4.3 Logical Printer Print Settings" for details on setting the resolution.*

Required lines will not print. (6030/6050 only)

⇨ It may be possible to print the lines by changing the [White Mode] setting on the [Color Option]. The [White Mode] setting determines whether the lines will be drawn in white or in black when a [White Mode] instruction is received.
Faint lines that are assigned the color white may not print if the [White Mode] is set to [Enable]. To resolve this problem, change the [White Mode] setting to

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[Disable].

Note *The [White Mode] is valid for HP-GL and Versatec data only.*

Refer to *Refer to the "Color Option" section of "4.3 Logical Printer Print Settings" for details on available functions.*

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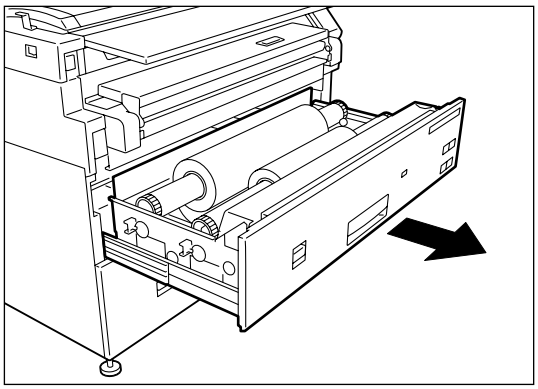
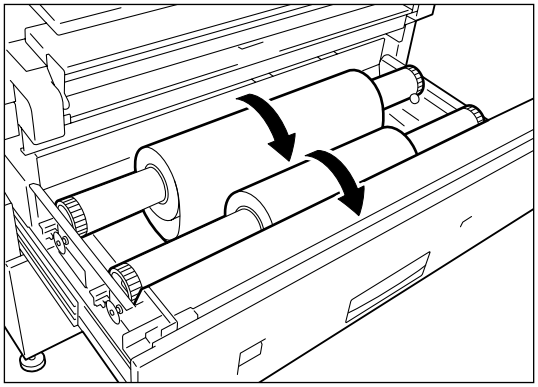
Jams in the Feeder (Roll Media)

Media jams in the roll feeder(s) are caused by incorrect media loading methods and defects in the media feeding mechanism. Reload the media according to the following procedure.

Procedure



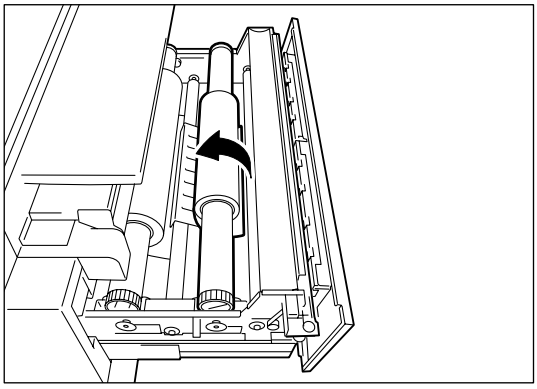
1 Open the media tray.



2 Rewind the media on the roll from which the jam has occurred by rotating it toward you. If the lead edge of the media is folded or damaged in any way, cut it straight across with the cutter or scissors.

Important *Avoid damaging the paper.*

Refer to *Refer to sections "1.11 Cutting Roll Media" and " Cutting Roll Media Manually" for instructions on how to cut the lead edge of the roll media.*



3 Rotate the roll until the lead edge is gripped in the roller.

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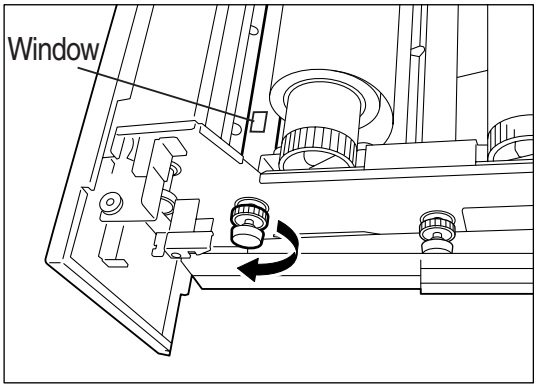
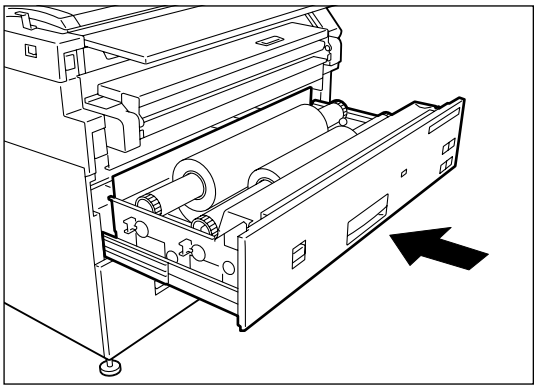
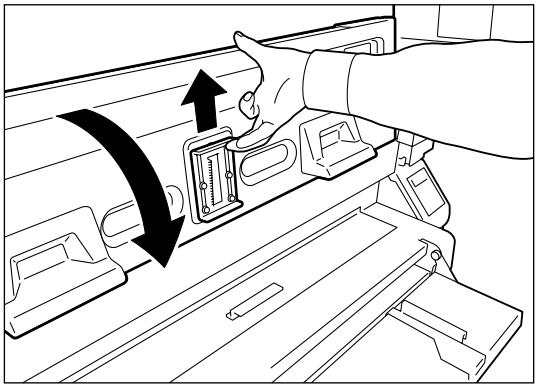


4 Rotate the knob until the lead edge of the media can be seen in the window.

Note *Rotate the knob at the rear if the jam occurred with the rear roll.*



5 Gently but firmly close the media tray until it is as far back as it can go.
The LED on the front of the media tray will illuminate, and the roll paper will be automatically positioned.



6 Lift the lock lever located in the middle at the back of the scanner document table, and then close the document table (6030/6050 only).

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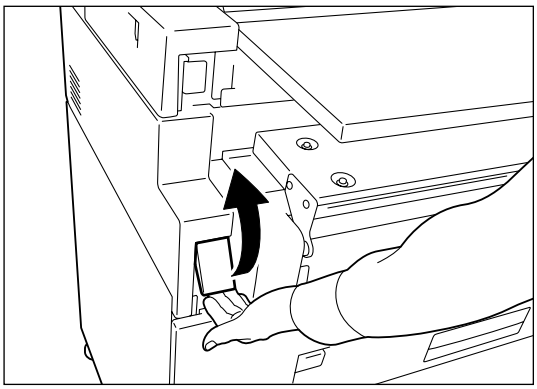
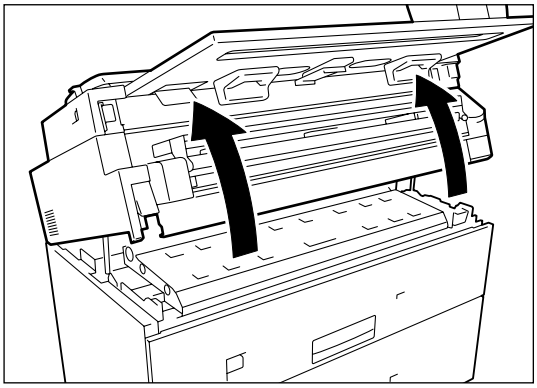
Jams in the Printer and Ejection Port

Remove media jams from the printer and ejection port following the instructions below.

Procedure

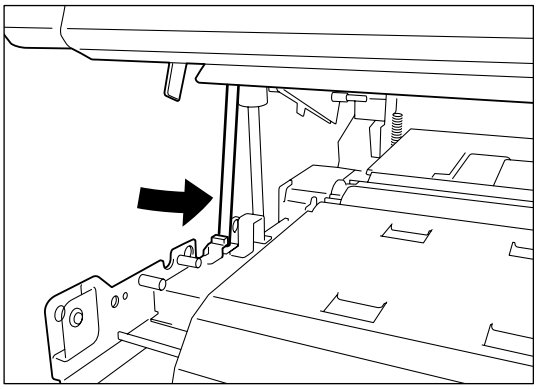


1 Lift up the lever located on the left-hand side of the output unit.



2 Use both hands to lift up the top of the unit.

Important *The top of the unit cannot be lifted if the scanner's lock has been released. Lock the scanner before attempting this procedure.*



3 Check to determine if the green stopper is located toward the back of the unit.
Push it to the back if it is located at the front.

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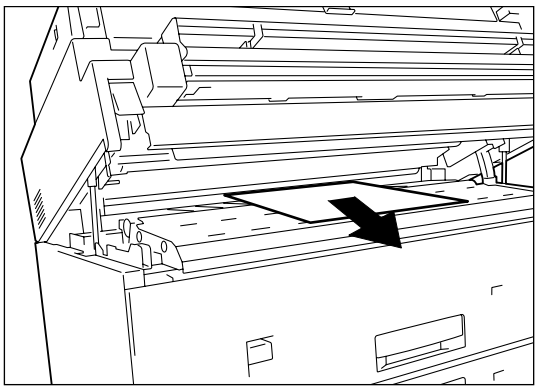
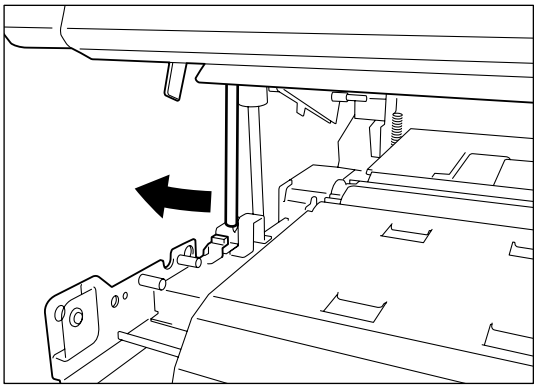
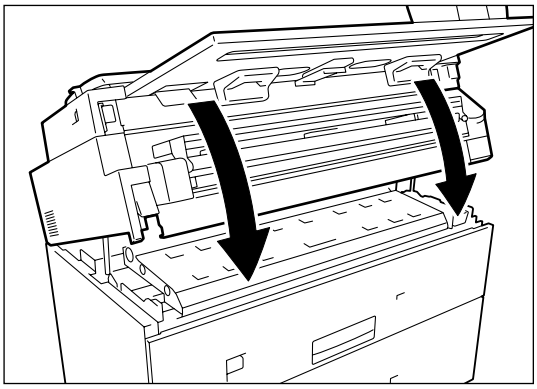


4 Pull the jammed media slowly toward you to remove it.

Important
- Avoid damaging the media.
- Do not touch any of the high-temperature components in the machine when removing paper jams.



5 Pull the green stopper to the front.



6 Grasp the document table (6030/6050 only) with both hands and gently but firmly lower it into place.

Important
- Ensure that the weight of the document table is distributed equally between both hands when lowering it into place.
- Take care to avoid getting your fingers caught.

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Chapter 9

Specifications

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9.1 Main Specifications (6030/6050)

Supported data formats

- HP-GL formats: HP-GL, HP-GL2, and HP-RTL
- Versatec formats: Versatec Random Format (VRF), Versatec Color Graphic Language (VCGL)
- TIFF formats: Conforming to TIFF version 6.0
- CALS formats: CALS type 1
- PS/PDF formats: PostScript 3, PDF Version 1.3 (optional)

Relationship between data formats and interfaces

Some data types cannot be processed, based on the interface type. The relationships between data formats and interface types are shown in the table below.

Data Formats		CENTRONICS	RS232C	TCP/IP	VPI
HP-GL formats	HP-GL	Y	Y	Y	N
	HP-GL/2	Y	Y	Y	N
	HP-RTL	Y	N	Y	N
Versatec formats	VRF	N	N	Y	Y
	VCGL	N	N	Y	Y
TIFF formats	TIFF	N	N	Y	N
CALS formats	CALS	N	N	Y	N
PS/PDF formats	PostScript	N	N	Y	N
	PDF	N	N	Y	N

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Host system interfaces

TCP/IP

Physical interface: 100Base-TX and 10Base-T
(Transfer speed Manual selection, automatic selection)
Maximum transfer speed:100 Mbps and 10 Mbps
Data link: Ethernet version 2

RS232C

Physical interface: EIA-232-E conformant to RS-232C serial
Maximum transfer speed:38400 bps
Maximum cable length:15 m

Centronics

Physical interface: Conforming to the TTL level IEEE STD 1284 interface
8-bit parallel peripheral
Maximum transfer speed:666 kbps
Maximum cable length:6 m

VPI

Physical interface: Versatec Parallel Interface
8-bit parallel
Maximum transfer speed:1 Mbps
Maximum cable length:300 m

Ethernet connection

Server function: Data transfer by lpr and FTP
Maximum number of sessions:10 each for lpr and FTP

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Standard sizes and drawing areas

Series	Standard size	Dimensions	Drawing area (dots)
ISO A series	A0	841 × 1,189 mm (33.12 x 46.77")	19,872 × 28,064
	A1	594 × 841 mm (23.36 x 33.12")	14,016 × 19,872
	A2	420 × 594 mm (16.53 x 23.36")	9,920 × 14,016
	A3	297 × 420 mm (11.68 x 16.53")	7,008 × 9,920
	A4	210 × 297 mm (8.26 x 11.68")	4,960 × 7,008
ISO B series	B1	707 x 1000 mm (27.83 x 39.37")	16698 x 23,622
	B2	500 x 707 mm (19.69 x 27.83")	11,814 x 23,622
	B3	353 x 500 mm (13.9 x 19.69")	8,340 x 11,814
	B4	250 x 353 mm (9.84 x 13.9")	5,904 x 8,340
SP. A	SP. A0	880 × 1,230 mm (34.65 x 48.43")	20,768 × 29,056
	SP. A1	625 × 880 mm (24.6 x 34.65") 620 × 871 mm (24.4 x 34.3")	14,752 × 20,768 14,624 x 20,576
	SP. A2	440 × 625 mm (17.3 x 24.6") 435 × 620 mm (17.1 x 24.4")	10,400 × 14,752 10,272 x 14,624
	SP. A3	312 × 440 mm (12.3 x 17.3") 310 × 435 mm (12.2 x 17.1")	7,360 x 10,400 7,328 x 10,272

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Series	Standard size	Dimensions	Drawing area (dots)
ARCH	E	36 x 48 inches (914.4 x 1219.2 mm)	21,600 × 28,800
	D	24 x 36 inches (609.6 x 914.4 mm)	14,400 x 21,600
	C	18 x 24 inches (457.2 x 609.6 mm)	10,800 × 14,400
	B	12 x 18 inches (304.8 x 457.2 mm)	7,200 × 10,800
	A	9 x 12 inches (228.6 x 304.8 mm)	5,400 × 7,200
ANSI	E	34 × 44 inches (863.6 x 1117.6 mm)	20,400 x 26,400
	D	22 × 34 inches (558.8 x 863.6 mm)	13,200 x 20,400
	C	17 × 22 inches (431.8 x 558.8 mm)	10,200 x 13,200
	B	11 × 17 inches (279.4 x 421.8 mm)	6,600 x 10,200
	A	8.5 × 11 inches (215.9 x 279.4 mm)	5,100 x 6,600
ARCH 30	E30	30 x 42 inches (762 x 1,067 mm)	18,000 x 25,200
	D	24 x 36 inches (609 x 914.4 mm)	14,400 x 21,600
	C	18 x 24 inches (457 x 609 mm)	10,800 x 14,400
	B	12 x 18 inches (304 x 457 mm)	7,200 x 10,800
	A	9 x 12 inches (228 x 304 mm)	5,400 x 7,200

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Print Length

- When the PS/PDF option is not in use

Paper Type	Paper Width	512MB (Standard)	1024MB (Extended)
Plain paper	A0	5,500mm	15,000mm
	A1	7,500mm	15,000mm
	A2	6,000mm	6,000mm
	A3	6,000mm	6,000mm
	36"	5,000mm	13,500mm
	24"	6,900mm	15,000mm
	18"	6,000mm	6,000mm
	12"	6,000mm	6,000mm
Vellum/Film	A0	2,380mm	2,380mm
	A1	1,680mm	1,680mm
	A2	1,190mm	1,190mm
	A3	840mm	840mm

- When the PS/PDF option is in use

Paper Type	Paper Width	512MB (Standard)	1024MB (Extended)
Plain paper	A0	3,500mm	12,000mm
	A1	5,000mm	15,000mm
	A2	6,000mm	6,000mm
	A3	6,000mm	6,000mm
	36"	3,000mm	11,500mm
	24"	5,000mm	15,000mm
	18"	6,000mm	6,000mm
	12"	6,000mm	6,000mm
Vellum/Film	A0	2,380mm	2,380mm
	A1	1,680mm	1,680mm
	A2	1,190mm	1,190mm
	A3	840mm	840mm

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Frame memory - Maximum number of spools

Mounted frame memory	Configuration	Number of sheets				
		A0	A1	A2	A3	A4
512 MB	6030 Extended/ 6050 Standard	6	12	25	51	100
1 GB	6030/6050 Extended	14	28	56	112	222

Note *Frame memory - Maximum number of spools indicates the number of spools that are developed into bit map. The print entry data is spooled in the hard disk separately from the memories.*

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9.2 Main Specifications (6050A)

Supported data formats

- HP-GL formats using HP750C emulation (HP-GL2, HP-RTL)
- TIFF 6.0 (including LZW)
- CALS 1&2
- CalComp 906/907/951/PCI
- FileNET
- NIRS
- CGM
- VCGL
- VRF
- Versatec Data Standards
- Xerox Emulation 150
- C4
- JPEG
- Optional (Adobe® PostScript® 3™, PDF (1.6), DWF, BMP, JPEG 2000, PNG, GIF, DGN)

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Host system interfaces

TCP/IP

Physical interface: 10-100Base-T (using manual selection)
10-100-1000Base-T (using auto selection with use of Cat6 cable)

Maximum transfer speed: 10/100/1000 Mbps
Data link: Cat6 cable required for gigabit data transfer

Ethernet connection

Server function: Data transfer by lpr and FTP
Maximum number of sessions: 10 each for lpr and FTP

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Standard sizes and drawing areas

Series	Standard size	Dimensions	Drawing area (dots)
ISO A series	A0	841 × 1,189 mm (33.12 x 46.77")	19,872 × 28,064
	A1	594 × 841 mm (23.36 x 33.12")	14,016 × 19,872
	A2	420 × 594 mm (16.53 x 23.36")	9,920 × 14,016
	A3	297 × 420 mm (11.68 x 16.53")	7,008 × 9,920
	A4	210 × 297 mm (8.26 x 11.68")	4,960 × 7,008
SP. A	SP. A0	880 × 1,230 mm (34.65 x 48.43")	20,768 × 29,056
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	SP. A2	440 × 625 mm (17.3 x 24.6") 435 × 620 mm (17.1 x 24.4")	10,400 × 14,752 10,272 x 14,624
	SP. A3	312 × 440 mm (12.3 x 17.3") 310 × 435 mm (12.2 x 17.1")	7,360 x 10,400 7,328 x 10,272
ARCH	E	36 x 48 inches (914.4 x 1219.2 mm)	21,600 × 28,800
	D	24 x 36 inches (609.6 x 914.4 mm)	14,400 x 21,600
	C	18 x 24 inches (457.2 x 609.6 mm)	10,800 × 14,400
	B	12 x 18 inches (304.8 x 457.2 mm)	7,200 × 10,800
	A	9 x 12 inches (228.6 x 304.8 mm)	5,400 × 7,200

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Series	Standard size	Dimensions	Drawing area (dots)
ANSI	E	34 × 44 inches (863.6 x 1117.6 mm)	20,400 x 26,400
	D	22 × 34 inches (558.8 x 863.6 mm)	13,200 x 20,400
	C	17 × 22 inches (431.8 x 558.8 mm)	10,200 x 13,200
	B	11 × 17 inches (279.4 x 421.8 mm)	6,600 x 10,200
	A	8.5 × 11 inches (215.9 x 279.4 mm)	5,100 x 6,600

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Print Length

Paper Type	Paper Width	512MB (Standard)
Plain paper/ Vellum/Film	A0	3,600mm
	A1	7,272mm
	A2	14,544mm
	A3	29,088mm
	A4	58,176mm

Maximum print length = 50,000mm.

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9.3 Media Specifications

- For sharp image copying, use the media recommended by Xerox.
- To prevent media jams or uneven printing, do not use creased, wrinkled, or curled media.
- When using unusually flexible media, support the media as it comes out of the media ejection port so that it will not be pressed against the media table and result in jams.
- Moisture is not good for media. Place the media in a storage bag and store it in a relatively dry place.
  Vellum media, especially, should be put in a plastic or moisture-proof bag that contains desiccant.
- When the machine is not used for a long period, remove the media and store it appropriately.

Item	Description	
Media type/weight* **Weight range = Light to Heavy stock inclusive*	Bond Vellum Tracing Paper Film	16 to 29lb. (60 to 112gsm) 18 to 29lb. (70 to 112gsm) 24 to 29lb. (90 to 112 gsm) 50 to 100 microns (2 to 4 mil)
Size	Roll Manual loading [*1] M.S.I.[*2]	Minimum width 297 mm, maximum width 914 mm (standard size paper) Minimum width 210 mm, maximum width 914 mm (standard size paper) A3 (horizontal feed), A4 (portrait/ landscape feed)
Recommended media	Bond (Roll) Bond (Cut sheet)	Premium and Performance Bond (20lb./75gsm) Premium and Performance Bond (20lb./75gsm)
	Tracing Paper	Premium Tracing (24 to 29lb./90 to 112 gsm)
	Vellum (Roll) Vellum (Cut sheet)	HPH (18 to 29lb./70 to 112gsm) HPH (18 to 29lb./70 to 112gsm)
	Film (Roll) Film (Cut sheet)	Premium Film (100 micron/4 mil) Premium Film (100 micron/4 mil)

*1 Option

*2 A4 size can only be fed portrait.

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9.4 Machine Specifications (6030/6050)

Main Specifications

Item	Specification
Type	Desktop
Type of photo sensitive material	OPC
Recording method	LED exposure, xerographic development system
Development method	Dry development (one component)
Fixing method	Heat roll
Resolution	Equivalent to 600 dots/25.4 mm (600 dpi) × 1200 dots/ 25.4 mm (1200 dpi)
Tone	Input: 256 levels. Output: 2 levels (Area tone: 256 levels)
Warm-up time	Less than 3 minutes
Print size	Maximum: Width 914.4 mm/36" Length 15000 mm (15 m)/49.2' Minimum: Width 182 mm/7.16" Length 210 mm/8.26" Thickness: 0.05 to 0.2 mm
First copy output time	Less than 23 seconds (with A0 size document/100% copy)
First print output time	Less than 31 seconds (with A0 size)
Continuous copy	99 sheets maximum
Copy speed	A0 size: 5 sheets/min or higher (6050 Wide Format) A0 size: 3 sheets/min or higher (6030 Wide Format)
Scan length	Maximum: 15 m/49.2' (at 100% scaling)
Media feeding method	Auto paper feed from roll Manual media feed (option)

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Item	Specification
Media	Maximum width: 914 mm/36" (A0 size) Minimum width: 210 mm/8.27" (A4 size) Maximum length *: Plain media (A0/A1 width) 15 m/49.2', A2/A3 width 6 m/19.68' Vellum/Film: Twice standard size Minimum length: 210 mm/8.27"
Dimensions	Combination type 1,250 (W) × 640 (D) × 1,200 (H) mm (excluding control panel) Scanner 1,250 (W) × 625 (D) × 305 (H) mm (Including control panel) 1,420 (W) × 625 (D) × 415 (H) mm Printer 1,250 (W) × 640 (D) × 940 (H) mm
Weight	Scanner 50 kg Printer (2R type) 250 kg Printer (4R type) 300 kg Combination type (2R type) 300 kg
Maximum power consumption	Scanner 260 W Printer 3,200 W
Power consumption when main power switch is OFF	Main power switch OFF 0 W (printer) Scanner power switch OFF 0 W (scanner)
Heat dissipation	Maximum heat dissipation (printer) Standby mode 1,800 kJ or less Copy mode 9,000 kJ or less Maximum heat dissipation (printer) Standby mode 330 kJ or less Copy mode 710 kJ or less
Interface (scanner)	Ultra-Wide SCSI-II (68 pins) Bit width: 16 bits Transfer mode: Asynchronous and synchronous Transfer speed: 20 Mbps (peak in synchronous transfer) Maximum cable length: 5 m or less SCSI ID: 1

Note *No power is consumed in the output section and printer when the circuit breaker is OFF even if the power plug is connected to the power source.*

* Maximum length will differ based on the amount of memory installed.

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Xerox 6030/6050 Wide Format

Amount of memory installed	A0 size	A1 size	A2 size	A3 size
512 Mbyte	7.5 m	7.5 m	6 m	6 m
1024 Mbyte	15 m	15 m	6 m	6 m

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9.5 Machine Specifications (6050A)

Main Specifications

Item	Specification
Type	Desktop
Type of photo sensitive material	OPC
Recording method	LED exposure, xerographic development system
Development method	Dry development (one component)
Fixing method	Heat roll
Resolution	Equivalent to 600 dots/25.4 mm (600 dpi) × 1200 dots/ 25.4 mm (1200 dpi)
Tone	Input: 256 levels. Output: 2 levels (Area tone: 256 levels)
Warm-up time	Less than 3 minutes
Print size	Maximum: Width 914.4 mm/36" Length 15000 mm (15 m)/49.2' Minimum: Width 182 mm/7.16" Length 210 mm/8.26" Thickness: 0.05 to 0.2 mm
First copy output time	Less than 32 seconds (with Architectural D size document/100% copy)
First print output time	Less than 19 seconds (with Architectural D size)
Continuous copy	999 sheets maximum
Copy speed	A0 size: 5 sheets/min or higher (6050 Wide Format) A0 size: 3 sheets/min or higher (6030 Wide Format)
Scan length	Maximum: 15 m/650' (at 100% scaling)
Media feeding method	Auto paper feed from roll Manual media feed (option)

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Item	Specification
Media	Maximum width: 914 mm/36" (A0 size) Minimum width: 210 mm/8.27" (A4 size) Maximum length *: Plain media (A0/A1 width) 15 m/650', A2/A3 width 6 m/19.68' Vellum/Film: Twice standard size Minimum length: 210 mm/8.27"
Dimensions	Combination type 1,250 (W) × 640 (D) × 1,200 (H) mm (excluding control panel) Scanner 1,250 (W) × 625 (D) × 305 (H) mm (Including control panel) 1,420 (W) × 625 (D) × 415 (H) mm Printer 1,250 (W) × 640 (D) × 940 (H) mm
Weight	Scanner 50 kg Printer (2R type) 250 kg Printer (4R type) 300 kg Combination type (2R type) 300 kg
Maximum power consumption	Scanner 260 W Printer 3,200 W
Power consumption when main power switch is OFF	Main power switch OFF 0 W (printer) Scanner power switch OFF 0 W (scanner)
Heat dissipation	Maximum heat dissipation (printer) Standby mode 1,800 kJ or less Copy mode 9,000 kJ or less Maximum heat dissipation (printer) Standby mode 330 kJ or less Copy mode 710 kJ or less

Note *No power is consumed in the output section and printer when the circuit breaker is OFF even if the power plug is connected to the power source.*

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Appendixes

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Appendix 1 Connector Specifications

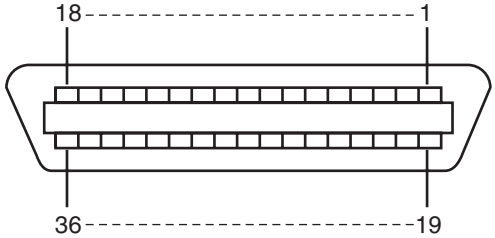
RS-232C pin assignment (6030/6050 only)

PIN No.			Signal name	Wiring
Host side	Controller side			
	Straight cable	Cross cable		
1	1	7,8	CD	y
2	2	3	RD	y
3	3	2	TD	y
4	4	6	DTR	y
5	5	5	GND	y
6	6	4	DSR	y
7	7	1	RTS	y
8	8	1	CTS	y
9	9	-	RI	-

Note *[-] indicates no wiring. Both sides are male pins.*

Centronics pin assignment

Printer Side (36-pin Amphenol half-pitch type)

Terminal No.	Signal name	Terminal No.	Signal name	Pin connection
1	Busy	19	GND	
2	Select	20	GND	
3	nAck	21	GND	
4	nFault	22	GND	
5	Perror	23	GND	
6	Data 1	24	GND	
7	Data 2	25	GND	
8	Data 3	26	GND	
9	Data 4	27	GND	
10	Data 5	28	GND	
11	Data 6	29	GND	
12	Data 7	30	GND	
13	Data 8	31	GND	
14	nInit	32	GND	
15	nStrobe	33	GND	
16	nSelectIn	34	GND	
17	nAutoFd	35	GND	
18	-	36	Peripheral Logic High	

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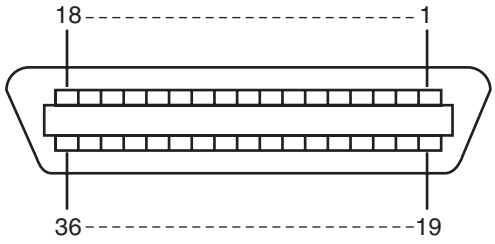
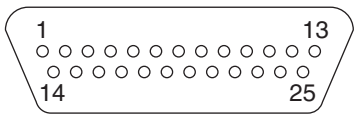
Host Side (36-pin Amphenol type)

Terminal No.	Signal name	Terminal No.	Signal name	Pin connection
1	nStrobe	19	GND	
2	Data 1	20	GND	
3	Data 2	21	GND	
4	Data 3	22	GND	
5	Data 4	23	GND	
6	Data 5	24	GND	
7	Data 6	25	GND	
8	Data 7	26	GND	
9	Data 8	27	GND	
10	nAck	28	GND	
11	Busy	29	GND	
12	Perror	30	GND	
13	Select	31	nInit	
14	nAutoFd	32	nFault	
15	-	33	-	
16	Logiv GND	34	-	
17	Chassis GND	35	-	
18	Peripheral Logic High	36	nSelectIn	

Host Side (25-pin D-subconnector type)

Terminal No.	Signal name	Terminal No.	Signal name	Pin connection
1	DATA • STB	14	NC	
2	DATA 1	15	FAULT	
3	DATA 2	16	NC	
4	DATA 3	17	NC	
5	DATA 4	18	GND	
6	DATA 5	19	GND	
7	DATA 6	20	GND	
8	DATA 7	21	GND	
9	DATA 8	22	GND	
10	ACK	23	GND	
11	BUSY	24	GND	
12	PE	25	GND	
13	SELECT			

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Appendix 2 HP-GL/HP-GL2 Command List (6030/6050)

This section explains the HP-GL and HP-GL/2 command support status that are unique to the 6030/6050 Wide Format.

y	Command fully supported.
y*	Activates different actims from other ordinary commands. (Meaning in [ ])
n	Command not supported and ignored.

Command List

The following table shows the HP-GL and HP-GL/2 command support status.

Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
AA	Plots a circle around a point specified by absolute coordinates.	y	y	y
AC	Specifies the starting point of a fill pattern.		y	y
AD	Specifies a substitute font for labels. [Only vector fonts supported]		y	y
AF	Feeds paper by one page. [Interpreted as output trigger]	y		y*
AH	Feeds paper by a half page. [Interpreted as output trigger]	y		y*
AP	Deselects pen cap timeout setting	y		n
AR	Plots a circle around a point specified by relative coordinates.	y	y	y
AS	Specifies the pen acceleration.	y		n
AT	Plots an arc linking three points specified by absolute coordinates. (start point - intermediate point - end point)		y	y
BL	Enters a specified character string into a buffer.	y		y

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Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
BP	Instructs the start of plotting. Outputs a label by overlaying on job log and plot output.		y	y
CA	Sets an auxiliary character set.	y		y
CC	Specifies character smoothness.	y		n
CF	Specifies an outline font rendering method.		y	n
CI	Plots a circle of an arbitrary radius.	y	y	y
CM	Specifies the handling of character set modes and undefined characters.	y		n
CP	Draws a character.	y	y	y
CR	Sets an RGB data range.		y	y
CS	Sets a standard character set.	y		y
CT	Specifies an arc division method.	y	y	y
CV	Controls the curve line generator.	y		n
DC	Terminates the digitize mode.	y	y	n
DF	Resets the printer to the default status.	y	y	y
DI	Specifies the character string direction by absolute values.	y	y	y
DL	Downloads a user-defined character set.	y		y
DP	Reads the coordinates of a point to be digitized.	y	y	n
DR	Specifies the character string direction by relative values.	y	y	y
DS	Sets a character set to a slot.	y		n
DT	Defines character or code to terminate label drawing.	y	y	y
DV	Specifies a text path to the right or left or upward or downward.	y	y	y
EA	Draws a square determined by the current pen position and the specified X and Y coordinates.	y	y	y
EC	Cuts paper.	y	y	n
EP	Draws a polygon registered in the polygon buffer.	y	y	y
ER	Draws a square determined by the current pen position and relative coordinates from the point.	y	y	y

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Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
ES	Specifies the character spacing.	y	y	y
EW	Draws a sector.	y	y	y
FI	Specifies a font as the primary font.		y	n
FN	Specifies a font as the secondary font.		y	n
FP	Fills in a polygon registered in the polygon buffer.	y	y	y
FR	Feeds paper by one frame for long-axis plotting. [Interpreted as output trigger]	y	y	y*
FS	Specifies the pen pressure.	y		n
FT	Specifies a fill type.	y	y	y
GC	Sets a group count.	y		n
GM	Allocates the graphics memory.	y		n
GP	Groups specified pens.	y		n
IM	Sets each mask.	y		y
IN	Initializes the printer.	y	y	y
IP	Sets a scaling point.	y	y	y
IR	Establishes the positions of P1 and P2 about hard clip limits.		y	y
IV	Selects a character set from a slot.	y		n
IW	Sets a software window area.	y	y	y
KY	Assigns a function key on the front panel to a specific function.	y		n
LA	Specifies the line end and joint styles.		y	y
LB	Draws a character string.	y	y	y
LM	Sets the label mode to one or two bytes.		y	y
LO	Specifies a character drawing position.	y	y	y
LT	Specifies a line pattern (–7 to +6) for line plotting.	y	y	y
MC	Controls the pixel color when two or more graphics intersect.		y	n
MG	Displays a message on the control panel of the printer.		y	n
MT	Indicates the type of paper loaded on the printer.		y	y

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Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
NP	Sets the HPGL/2 palette size.		y	y
NR:	Sets the printer to local. [Interpreted as output trigger]	y	y	y*
OA	Outputs the current position on the printer coordinate system and the pen up-down information.	y		y
OC	Outputs the current position instructed by the last command and the pen up-down information. [6030/6050 Wide Format: Always returns the standard value (0,0,0)]	y		y*
OD	Outputs read coordinates. [Always returns the standard value (0,0,0)]	y	y	y* (HP-GL) n (HP-GL/2)
OE	Outputs an error number.	y	y	y
OF	Outputs the number of printer units per millimeter.	y		y
OG	Outputs the current group count and group status.	y		n
OH	Outputs the coordinates of the mechanical limit area where the pen can be moved.	y	y	y
OI	Outputs the printer model.	y	y	y
OK	Outputs a pressed function key.	y		n
OL	Outputs the information (length) of a character string in the character buffer.	y		y
OO	Outputs an option number.	y		y
OP	Outputs a scaling point.	y	y	y
OS	Outputs a printer status.	y	y	y
OT	Outputs the current carousel type and stall occupancy status.	y		n
OW	Outputs a software window area.	y		y
PA	Moves the pen by absolute coordinates.	y	y	y
PB	Draws a character string in the character buffer.	y		y
PC	Defines the pen color and width.		y	y* (HP-GL) y (HP-GL/2)
PD	Lowers the pen.	y	y	y
PE	Executes PA, PR, PU, PD, and SP.		y	y

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Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
PG	Feeds the paper forward or backward.	y	y	y* (HP-GL) y (HP-GL/2)
PM	Registers a user-specified polygon in the polygon buffer.	y	y	y
PR	Moves the pen by relative coordinates.	y	y	y
PS	Specifies the paper size.	y	y	y (HP-GL) y* (HP-GL/2)
PT	Specifies the fill spacing.	y		y
PU	Raises the pen.	y	y	y
PW	Specifies the pen width.		y	y
QL	Sets the plot quality.		y	n
RA	Fills in a square determined by the current pen position and the specified X and Y coordinates.	y	y	y
RF	Defines a pattern used for area filling.		y	y
RO	Rotates the coordinate system.	y	y	y
RP	Specifies the output count.		y	y
RR	Fills in a square determined by the current pen position and the relative coordinates from the point.	y	y	y
RT	Plots an arc from the current pen position to a point specified by two relative values.		y	y
SA	Selects an auxiliary character set.	y	y	y
SB	Specifies a font type for labels.		y	n
SC	Assigns a user unit value to a scaling point.	y	y	y
SD	Specifies the standard font for labels.		y	y
SG	Selects a pen group. [Interpreted as the SP command]	y		n
SI	Specifies the character size by absolute values.	y	y	y
SL	Specifies the slant for the characters.	y	y	y
SM	Draws a specified character after moving the pen.	y	y	y
SP	Specifies a pen type.	y	y	y
SR	Specifies the character size by relative values.	y	y	y

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Com-mand	Command Meaning and action	HP-GL	HP-GL/2	6030/6050 Wide Format
SS	Specifies a font specified by the SD command.	y	y	y
ST	Sets the plot quality.		y	n
SV	Selects a pattern type for vector and area filling.		y	n
TD	Specifies whether to execute the functions of control characters or to print the control characters at label drawing.		y	y
TL	Specifies transparency or opaque when white areas are overlaid.	y		y
TR	Specifies the length of ticks drawn on the coordinate axis.		y	y
UC	Draws a user-defined character.	y		n
UF	Draws a user-defined fill pattern.	y		y
UL	Creates a specified line pattern.		y	y
VN	Inactivates the VA command.			n
VS	Specifies the drawing speed.	y		n
WD	Outputs a specified message to the panel.	y		n
WG	Defines and fills in a sector polygon.	y	y	y
WU	Specifies whether to express the pen width in millimeters or by percentage of the P1/P2 distance.		y	y
XT	Draws ticks on the X axis.	y		y
YT	Draws ticks on the Y axis.	y		y

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Appendix 3 HP-RTL Command List (6030/ 6050)

Command name	Command	Command Meaning and function	Limit
Enter HPGL/2 Mode	ESC % # B	Starts processing the following data as an HP-GL2 command.	Transfer color palette ignored
Enter PCL Mode	ESC % # A	Starts processing the following data as an HP-RTL command.	Transfer color palette ignored
Reset	ESC E	1. Outputs the data received so far. 2. Executes the HP-GL2 IN command. 3. Returns HP-RTL CAP to (0,0). 4. Sets the controller to the HP RTL parsing mode. 5. Terminates the raster mode.	Parameters not changed
Universal Exit Language/Start of PCL	ESC % #x|X	1. Outputs all data input before this command. 2. Returns the controller to the HP-GL2 or HP RTL parsing mode.	
Apple Talk Config	ESC & B # W[binary data]	Sets communication with the Apple Talk driver.	Not supported
Configure Image Data	ESC * v # W[data]	Sets up the controller as a color controller as follows. 1. Determine each index bit and creates a color palette. 2. Set a color model. 3. Set the pixel encoding mode. 4. Determines each RGB bit. 5. Sets a white/black value corresponding to RGB.	Other commands ignored, excluding the pixel encoding command
Set Red Parameter	ESC * v # a|A	Defines the red color configuration of the color palette.	Only concatenation command valid
Set Green Parameter	ESC * v # b|B	Defines the green color configuration of the color palette.	Only concatenation command valid

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Command name	Command	Command Meaning and function	Limit
Set Blue Parameter	ESC * v # cIC	Defines the blue color configuration of the color palette.	Only concatenation command valid
Assign Color Index Number	ESC * v # iII	Assigns a defined RGB parameter to an index number.	Index Number
Push/Pop Palette	ESC * p # P	Saves and restores palette information.	Ignored
Start Raster Graphics	ESC * r # aIA	Sets the controller to the raster mode and sets the start position and left margin of a graphic image.	
End Raster Graphics	ESC * r C	Indicates the end of raster graphic image transfer.	
Transfer Raster Data by Plane	ESC * b # V[data]	Transfer's the data of a specified byte. However, the CAP does not move to the next raster position. The plane pointer is updated but the row pointer is not.	Data skipped
Transfer Raster Data by Row/Block	ESC * b # W[data]	Transfer's the data of a specified byte as a line or as a block by the current compression method.	
Set Compression Method	ESC * b # mIM	Determines the compression method.	
Source Raster Width	ESC * r # sIS	Indicates the image width of succeeding raster data.	
Source Raster Height	ESC * r # tIT	Indicates the source raster image height of succeeding raster data.	
Move CAP Horizontal (Decipoint)	ESC & a # hIH	Moves the CAP horizontally by a specified decipoint (1/720 inch).	
Move CAP Horizontal	ESC * p # xIX	Moves the CAP horizontally by a specified value in Versatec resolution inch units.	
Move CAP Vertical	ESC * p # yIY	Moves the CAP vertically by a specified value in Versatec resolution inch units.	
Y Offset	ESC * b # yIY	Moves the CAP vertically by specified pixel rows.	

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Command name	Command	Command Meaning and function	Limit
Destination Raster Width	ESC * t # h|H	Defines the raster output width for succeeding Start Graphic command by decipoint (1/720 inch).	
Destination Raster Height	ESC * t # v|V	Defines the raster output height for succeeding Start Graphic command by decipoint (1/720 inch).	
Raster Line Path	ESC * b # l/L	1. Indicates the vertical distance of an image updated by raster data submitted by the Row/Block command. 2. Indicates the vertical distance of the CAP moved by the Y Offset command. 3. Indicates the vertical distance of the CAP moved by the End Raster Graphics command (or equivalent command).	
Negative Motion	ESC & a # n|N	Defines the reverse output direction.	Ignored
Set Graphics Resolution	ESC * t # r|R	Defines the input image resolution.	
Simele Color	ESC * r # U	Creates a palette size table	Ignored
Render Algorithm	ESC * t # J	-	Ignored

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Appendix 4 TIFF Tag List (6030/6050)

Tag ID		Tag Name	Revision			6030/6050 Wide Format
Hex	Dec		4.0	5.0	6.0	
00FE	254	NewSubfileType	-	y	y	y*
		Bit 0: Low Resolution Image	-	y	y	-
		Bit 1: Multi-Page Image	-	y	y	y
		Bit 2: Transparency Mask	-	y	y	-
00FF	255	SubfileType	y	n	n	y*
		1: Full Resolution Image	y	n	n	y
		2: Reduced-Resolution Image	y	n	n	-
		3: Multi-Page Image	y	n	n	y
0100	256	ImageWidth	y	y	y	y
0101	257	ImageLength	y	y	y	y
0102	258	BitsPerSample	y	y	y	y
0103	259	Compression	y	y	y	y*
		1: uncompressed	y	y	y	y
		2: CCITT 1D (MH)	y	y	y	y
		3: CCITT T4 (MR)	y	y	y	y
		4: CCITT T6 (MMR)	y	y	y	y
		5: LZW	-	y	y	-
		6: JPEG	-	-	y	-
		32771: uncompressed	y	n	n	y
		32773: PackBits	y	y	y	y
0106	262	PhotometicInterpretation	y	y	y	y*
		0: WhiteIsZero	y	y	y	y
		1: BlackIsZero	y	y	y	y
		2: RGB	y	y	y	-
		3: RGB Palette	-	y	y	-
		4: Transparency Mask	-	-	y	-
		5: CMYK	-	-	y	-
		6: YCbCr	-	-	y	-

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Tag ID		Tag Name	Revision			6030/6050 Wide Format
Hex	Dec		4.0	5.0	6.0	
		8: CIELab	-	-	y	-
0107	263	Thresholding	y	y	y	-
		1: No Dithering or Halftoning	y	y	y	-
		2: Dithering or Halftoning	y	y	y	-
		3: Randomized-Processed Image	y	y	y	-
0108	264	CellWidth	y	y	y	-
0109	265	CellWidth	y	y	y	-
010A	266	FillOrder	y	y	y	y
		1: MGB→ LSB	y	y	y	y
		2: LSB→ MGB	y	y	y	y
010D	269	DocumentName	y	y	y	y
010E	270	ImageDescriprion	y	y	y	y
010F	271	Make	y	y	y	y
0110	272	Model	y	y	y	y
0111	273	StripOffset	y	y	y	y
0112	274	Orientation	y	y	y	y
0115	277	SamplesPerPixel	y	y	y	y*
		1: Black/white binary value, grayscale, palette	y	y	y	y (Black/ white binary value only)
		3: RGB	y	y	y	-
		4: CMYK	y	y	y	-
0116	278	RowsPerStrip	y	y	y	y
0117	279	StripByteCounts	y	y	y	y
0118	280	MinSampleValue	y	y	y	y
0119	281	MaxSampleValue	y	y	y	y
011A	282	XResolution	y	y	y	y
011B	283	YResolution	y	y	y	y
011C	284	PlanarConfiguration	y	y	y	y*
		1: Chunky Format (RGBRGB)	y	y	y	y
		2: Planar Format (RRGGBB)	y	y	y	-

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Tag ID		Tag Name	Revision			6030/6050 Wide Format
Hex	Dec		4.0	5.0	6.0	
011D	285	PageName	y	y	y	y
011E	286	XPosition	y	y	y	y
011F	287	YPosition	y	y	y	y
0120	288	FreeOffsets	y	y	y	-
0121	289	FreeByteCounts	y	y	y	-
0122	290	GrayResponseUnit	y	y	y	-
0123	291	GrayResponseCurve	y	y	y	-
0124	292	T4Options	y	y	y	y*
		Bit 0: 2-dimensional Coding	y	y	y	-
		Bit 1: uncompressed mode	y	y	y	-
		Bit 2: add	y	y	y	y
		Other than Bit 1 and 2	y	y	y	-
0125	293	T6Options	y	y	y	-
		Bit 1: uncompressed mode	y	y	y	-
		Other than Bit 1	y	y	y	-
0128	296	ResolutionUnit	y	y	y	y
		1: No absolute unit	y	y	y	y
		2: Inch	y	y	y	y
		3: Centimeter	y	y	y	y
0129	297	PageNumber	y	y	y	y
012D	301	TransferFunction	-	-	y	-
0131	305	SoftWare	-	y	y	y
0132	306	DateTime	-	y	y	y
013C	315	HostComputer	-	y	y	y
013E	316	Predictor	-	y	y	-
013D	318	WhitePoint	-	y	y	-
013F	319	PrimaryChromaticties	-	y	y	-
0140	320	ColorMap	-	y	y	-
0141	321	HalftoneHints	-	-	y	-
0142	322	TileWidth	-	-	y	-
0143	323	TileLength	-	-	y	-

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Tag ID		Tag Name	Revision			6030/6050 Wide Format
Hex	Dec		4.0	5.0	6.0	
0144	324	TileOffsets	-	-	y	-
0145	325	TileByteCounts	-	-	y	-
014C	332	InkSet	-	-	y	-
014D	333	InkNames	-	-	y	-
014E	334	NumberOfInks	-	-	y	-
0150	336	DotRange	-	-	y	-
0151	337	TargetPrinter	-	-	y	-
0152	338	ExtraSamples	-	-	y	-
0153	339	SampleFormat	-	-	y	-
		1: unsigned integer data	-	-	y	-
		2: 2's complement signed integer data	-	-	y	-
		3: IEEE formatting point	-	-	y	-
		4: undefined format data	-	-	y	-
0154	340	SMinSampleValue	-	-	y	-
0155	341	SMaxSampleValue	-	-	y	-
0156	342	TransferRange	-	-	y	-
0200	512	JPEGProc	-	-	y	-
		1: Baseline sequential	-	-	y	-
		14: Lossless	-	-	y	-
0201	513	JPEGInterchangeFormat	-	-	y	-
0202	514	JPEGInterchangeFormatLngth	-	-	y	-
0203	515	JPEGRestartInterval	-	-	y	-
0205	517	JPEGLossLessPredictors	-	-	y	-
0206	518	JPEGPointTransforms	-	-	y	-
0207	519	JPEGQTables	-	-	y	-
0208	520	JPEGDCTables	-	-	y	-
0209	521	JPEGACTables	-	-	y	-
0211	529	YCbCrCoefficients	-	-	y	-
0212	530	YCbCrSubSampling	-	-	y	-
0213	531	YCbCrPositioning	-	-	y	-
0214	532	ReferenceBlackWhite	-	-	y	-

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Tag ID		Tag Name	Revision			6030/6050 Wide Format
Hex	Dec		4.0	5.0	6.0	
8298	33432	Copyright	-	-	y	y

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Symbols

"1.1 Outline of Xerox 6030/6050 Wide Format Print Service"224
90-degree rotation41, 146

A

administrator top page53
Alignment mark printing135
area mode128
AUTO (Input Option)123
AUTO (output option)139
auto layouts127
auto mapping117
Auto R/E169
auto roll79
auto scale146
auto-layout41
automatic mapping40
automatically (Select Tray)120

B

B series paper167
billing information47, 188

C

canceling jobs43
centering128
centronics66, 267
changing the priority of jobs174
color option259
combination unit2, 3
combined operation selector switch6
communication interfaces33
communication parameters60
connect (output option)140
control panel4

D

dashed line style156
data formats32, 266, 272
date message137
displaying the printer status187
document ejection port5
document insertion guide4

E

enlarging and reducing169

Downloaded From ManualsPrinter.com Manuals

EOP command155
Error Log176
error log208
error message136, 137

F

film121
FTP command224, 231

H

help55

I

image fragmentation function42
input image size123
input media series115
Input Option123
interface33, 267, 273
IOT status188
IP command243
IPQ command244
IPR command224, 240
IPRM command246

J

job log47, 176, 208
job recovery43, 80, 85
jobs to be canceled174

K

kanji processing266, 273

L

label message136
line color148, 151, 160, 161
line width148, 151, 158, 159, 161
log management42
logical printer38, 112
low power mode179
low power mode279

M

main power switch6, 7
manual feed120, 193
margin125, 140
media mapping40, 117, 168

Downloaded From ManualsPrinter.com Manuals

media size115
media tray (optional)4
media tray (standard)4
media type121, 166
(Menu) button45
meter display188, 213, 214
method of cutting paper170
mirror image41, 146
MIX (output option)139
MIX2 (output option)139
MSI & manual paper feed unit120

O

offline mode45
offline plot47, 212
offset41, 127
online help55
online mode45
ordinary121
OTHER (output option)139
output option170
output size139

P

page number134
paper margin135
paper size series167
pen attributes147, 151, 159, 161
Pen Option152
pen specifications114, 156
plot area41, 127
port setting47
power switch5, 7
print ejection port5
print range127
print services on web51, 56
printer control panel12, 44
printer system225
priority120
priority for printing132, 174
priority sequence120
processing language153
PS command154

Q

queuing standard86

Downloaded From ManualsPrinter.com Manuals

R

reprinting42, 212
resolution162
roll media139, 168
RS232C267

S

serial64
(Set) button45
sets joint processing for lines148, 151, 156
sets the end of the line148, 151, 156, 160, 161
setup screen4
shaft18
size mapping40, 117, 169
size recognition priority mode143
size specification123, 139
sleep mode80
smoothing79
SNMP68
Split drawing mode134
split fragment134, 135
Split length134
stamp function42
synchronized cut140, 170
system parameter46, 79, 82

T

TCP/IP61, 267, 273
test plot47, 207
test printing207
toner supply port252
top and bottom margins140
tray selection193

U

user-defined sizes122

V

VPI67, 267

W

white mode144, 259
width change152

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